



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं. 11] नई विल्ली, शनिवार, मार्च 14, 1992 (फाल्गुन 24, 1913)

No. 11] NEW DELHI, SATURDAY, MARCH 14, 1992 (PHALGUNA 24, 1913)

इस भाग में भिन्न पृष्ठ संलग्न दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

#### THE PATENT OFFICE

#### PATENTS AND DESIGNS

Calcutta, the 14th March 1992

#### ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial Jurisdiction on a zonal basis as shown below:—

Patent Office Branch, Todi Estates, III Floor, Lower Parel (West), Bombay-400 013.

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent office Branch Unit No. 401 to 405, III Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC"

Patent Office Branch, 61, Wallajah Road, Madras-600002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office), "NIZAM PALACE", 2nd

M. S. O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटैंट कार्यालय

एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 14 मार्च 1992

पेटैंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटैंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवधित है तथा बम्बई, दिल्ली एवं भद्रास में इसके शास्त्र कार्यालय हैं, जिनके प्राविधिक क्षेत्राधिकार जोन के आधार पर विभिन्न रूप में प्रवर्णित हैं :—

पेटैंट कार्यालय शास्त्र, टोडी इस्टटे,  
तीसरा तल, लोअर पर्सेन (पश्चिम),  
बम्बई-400013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र गोआ, दामन तथा  
दिव एवं दादरा और नगर हवेली।

तार पता—“पेटैंटफिल्स”

पेटैंट कार्यालय शास्त्र,  
एकक सं. 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती भार्ग, करोल बाग,  
नई दिल्ली-110005।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों  
एवं मध्य शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—“पेटैंटोफिल्स”

पेटैंट कार्यालय शास्त्र,

61, वालाभाहु रोड,

मुम्बई-600002।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु, राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डुचेरी, लक्ष्मीप  
सिनिकाय तथा एसिनिकिवि द्वीप

तार पता—“पेटैंटोफिल्स”

पेटैंट कार्यालय (प्रधान कार्यालय)

निजाम पैलेस, दिवतीय बहुतलीय कार्यालय,  
भवन, 5, 6 तथा 7वां तल,  
234/4, आन्ध्राय जगदीश भोस रोड,  
कलकत्ता-700020।

भारत का अवशेष क्षेत्र

तार पता—“पेटैंटम्”

पेटैंट अधिनियम, 1970 या पेटैंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएँ, विवरण या अन्य प्रलेख पेटैंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की रूपाएँ अथवा उपयुक्त कार्यालय में नियंत्रक को भूगतान योग्य भनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भूगतान योग्य बैंक ड्राफ्ट अथवा चेक द्वारा की जा सकती है।

#### PATENTS AND DESIGNS

#### PATENT OFFICE

CALCUTTA

#### CORRIGENDUM

Under the headings “Patent Sealed” in the Gazette of India, Part-III, Sec-2, dated 15th October, 1988 delete the number 157944.

#### CORRIGENDUM

In the Gazette of India, Part III, Section 2.

Dated 10th February, 1990, Page 120, Col. 2

- (a) Under sub-head ‘C’ read the name of the applicants as Carrington Laboratories, Inc instead of Carrying Laboratories, Inc for application No. 231/Cal/89.
- (b) Under sub-head ‘D’ page 120, Col. 2 read Dow Chemical Co. The instead of Dow Cheemical Co. The for application No. 182/Mas/89.
- (c) Under sub-head ‘G’ page 121, Col. 1 read the application No. 68/Bom/89 instead of 60/Bom/89 for the name of the applicants Gadbole, M.S.

(d) Under sub-head ‘H’ page 121, Col. 1 read the name of the applicants as Henkel etc, instead of Hukel etc. application No. 206/Mas/89.

(e) Under sub-head ‘H’ page 121, Col. 1 read the application No. 185/Cal/89 instead of 285/Cal/89 for the name of the applicants Hoesch Maschinen fabrik deutschland eg.

(f) Under sub-head ‘T’, Col. 2, Page 121 for application No. 173/Cal/89 read the name of the applicants as Institut.....etc instead of Institute.....etc.

(g) Dated 12th October, 1991, page 1150, for application No. 44/Bom/1989 (169423) below figure is to be read as “Complete Specification 16 pages” “Drawings two sheets” instead of complete specification No. pages, drawings & sheets.

(h) In page 1148, Col. 2 read accepted complete specification No. 169422 for application No. 40/Bom/1989, filed February 17, 1989, 169423 for application No. 44/Bom/89 filed February 23, 1989 in page 1149, Col. 1; 169424 for application No. 89/Bom/1989 filed April 10, 1989 in page 1150, Col. 1; 169425 for application No. 95/Bom/1989 filed April 13, 1989 in page 1150, Col. 2; 169426 for application No. 124/Bom/1989 filed on May 11, 1989 in page 1151, Col. 1; 169427 for application No. 252/Bom/89, filed September 12, 1989

- in page 1151, Col. 1; 169428 for application No. 342/Bom/1989, filed December 13, 1989 in page 1151, Col 2;
- (i) Dated 26th October, 1991, page 1192, Col. 2 read the application No. 204/Mas/87 filed March 19, 1987 for accepted complete specification No. 169481;
- (j) Dated 23rd November, 1991 page 1278, Col. 2; read the application No. 528/Cal/88 filed June 28, 1988 for accepted complete Specification No. 169636.

#### REGISTRATION OF PATENT AGENTS

The following persons have been registered as Patent Agents under Section 126(1)(c)(i) of the Patents Act, 1970.

1. Shri Tarun Mehta  
6047, Jamna Dass Building  
Ambala Cantt. 133 001,  
Ambala.
2. Shri Sanjay P. Gogia,  
E-54, Naraina Vihar,  
New Delhi 110 028.

#### THE PATENT OFFICE

Calcutta, the 14th March 1992

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed Under Section 135, of the Patents Act 1970.

The 31st February 1992

- 71/Cal/92. Concast Standard Ag., A mould for continuous casting of Metals, Particularly Steel.
- 72/Cal/92. Metallgesellschaft Aktiengesellschaft. Process of Sintering Iron Oxide-Containing Materials on a Sintering Machine.
- 73/Cal/82. Hitachi Ltd., Electric Car/Locomotive Controller.
- 74/Cal/92. Siemens Aktiengesellschaft, Arrangement for Influencing Switchgear.
- 75/Cal/92. Thomas F. Thornton Prophylactic Device.
- 76/Cal/92. Tritan Pty Limited, Improvements in Three-Dimensional Imagery. Convention Date 22nd March, 1991, No. 73739/91, Australia.
- 77/Cal/92. Abex Corporation, Visible Brake Block Wear Indicator.

The 4th February 1992

- 78/Cal/92. B.V. Optische Industrie 'De Oude Delft', Method and Device for Slit Radiography.
- 79/Cal/92. Brooke Bond India Limited, Process.
- 80/Cal/92. Metallgesellschaft Aktiengesellschaft. Process for Treating a Vanadium-Containing Residue.
- 81/Cal/92. Metallgesellschaft Aktiengesellschaft, Electrolytic Apparatus Comprising Protective Electrodes.

The 05th February, 1992

- 82/Cal/92. Nitra Nobel AB, Connecting Block for Ignition Devices.
- 83/Cal/92. NGK Insulators, Ltd., Lightening Arrester Insulator and Method of Producing the Same. Divisional out of No. 227/Cal/89 Ante dated to 21st March, 1989.
- 84/Cal/92. Enichem Elastomeri S.R.L., Hydrogenated Block Copolymers Containing Epoxy Groups and their Preparation.

The 06th February, 1992

- 85/Cal/92. Vivek Bapat, Process for the Manufacture of High Silicon Bearing Steel Sheets.
- 86/Cal/92. (1) Jack Bottoms, Jr. (2) Charles L. Carter, Tight Buffered Fibre Optic Groundwire Cable,
- 87/Cal/92. Norvic S. A., Disc Drill Bit.

#### ALTERATION OF DATE UNDER SECTION 16

- 170307 (8/Cal/90) Ante dated to January, 8, 1987.
- 170308 (32/Cal/90). Ante dated to September 8, 1987.
- 170309 (200/Cal/90). Ante dated to August 19, 1987.
- 170310 (595/Cal/90). Ante dated to June 19, 1987.
- 170320 (455/Mas/90). Ante dated to October 5, 1988.
- 170331 (577/Mas/89). Ante dated to November 15, 1985.
- 170332 (578/Mas/89). Ante dated to November, 15, 1985.
- 170333 (579/Mas/89). Ante dated to November, 15, 1985.
- 170347 (654/Del/87). Ante dated to November 23, 1984.
- 170350 (52/Del/88). Ante dated to March 13, 1986.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

## स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पटेट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्णय की तिथि से 4 महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पटेट नियम, 1972 के तहत विहित प्रपञ्च 14 पर आवृद्धि एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपञ्च 15 पर वे सकते हैं। विराम संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पटेट नियम, 1972 के नियम 36 में यथा विहित इसको तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

‘प्रत्येक विनिर्देश के संबंध में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप हैं।’

नीचे सूचीगत विनिर्देशों को सीमित संख्यक मुद्रित प्रतियां, भारत सरकार बूक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय होते यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है।

(अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हतु मांग पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

खण्डन (चित्र आरेखों) की फोटो प्रतियां दीद कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियां की आपूर्ति पटेट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अवायग्नि पर को जा सकती है। विनिर्देश की पृष्ठ संख्या के कागजों को जोड़कर उसे 4 से गुणा करके, (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

CLASS : 152-B, 90-1

170301

Int. Cl : C08L 95/00, C08J 5/00.

## FIBREGLASS REINFORCED MASTIC ASPHALT COMPOSITES.

Applicant & Inventor : AJIT RAJ SINGH BHAGAT, 75-C PARK STREET, CALCUTTA-700016, WEST BENGAL, INDIA.

Application No. 477/Cal/1988 filed 10 Jun, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

A fibreglass reinforced mastic asphalt composite containing 0.25% to 18% by weight of fibreglass mixed intimately with the mastic asphalt being randomly distributed in the mass of the composite.

Compl. Specn. 5 pages.

Drgs. Nil

CLASS : 32A1

170302

Int. Cl. : C09B 29/01, 29/44, 29/46.

## PROCESS FOR THE PREPARATION OF A MONOAZO DYESTUFF.

Applicant : HOECHST CELANESE CORPORATION, ROUTE 202-206 NORTH, SOMERVILLE, N. J. 08876, U.S.A.

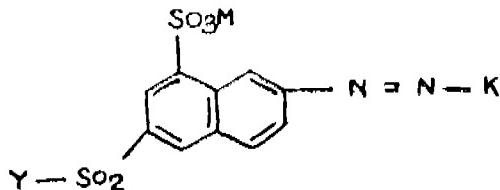
Inventors : (1) THOMAS STEPHEN PHILLIPS (2) ANTHONY JOSEPH CORSO.

Application No. 425/Cal/1988 filed 25 May, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

A process for the preparation of a monoazo dyestuff which corresponds to the general formula (1a) of the accompanying drawings wherein :

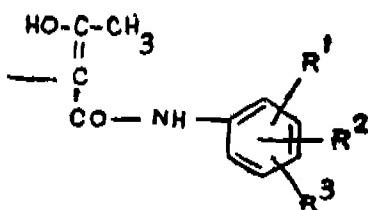


Formula (1a)

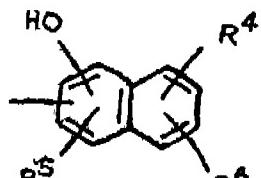
M is hydrogen or an alkali metal;

Y is vinyl or is an ethyl substituted in the B-position by an organic or inorganic substituent which is capable of being split off by means of an alkali;

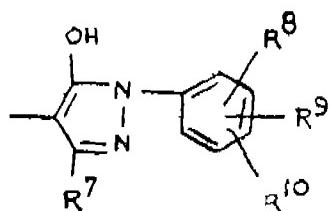
K is a group according to one of the general formulae (2a), (2b), (2c), (2e), (2f) and (2g)

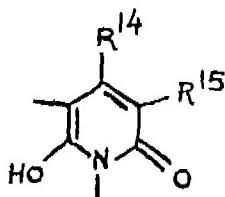


Formula (2a)

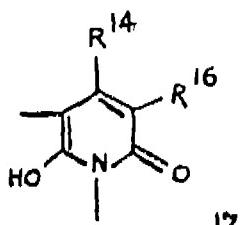


Formula (2b)





Formula (2e)



Formula (2f)

in formula (2a)

R<sub>1</sub> is hydroxy, chloro, bromo, alkyl of 1 to 4 carbon atoms, alkoxy of 1 to 4 carbon atoms, sulfo or a group-SO<sub>2</sub>Y wherein Y has one of the above meanings.

R<sub>2</sub> is chloro, alkyl of 1 to 4 carbon atoms, alkoxy of 1 to 4 carbon atoms or sulfo, and

R<sub>3</sub> is chloro, alkyl of 1 to 4 carbon atoms, alkoxy of 1 to 4 carbon atoms or sulfo,

R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> having meanings which may be identical to or different from one another; in formula (2b)

the free bond is in the ortho-position relative to the hydroxy group.

R<sub>4</sub> is hydrogen, alkyl of 1 to 4 carbon atoms, alkoxy of 1 to 4 carbon atoms, sulfo, amino, hydroxy, benzoylamino, sulfobenzoylamino, alkanoylamino of 2 to 5 carbon atoms, N-alkylamino of 1 to 4 carbon atoms or 3-phenylamino-5-chloro-s-triazin-1-yl-amino, the benzene moiety in the latter group being optionally substituted by sulfo, carboxy, chloro, methyl, ethyl, methoxy, ethoxy and/or nitro, preferably at least by a sulfo group.

R<sub>5</sub> is hydrogen or sulfo and

R<sub>6</sub> is hydrogen or sulfo,

R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> having meanings which are identical to or different from another;

in formula (2c)

R<sub>7</sub> is alkyl of 1 to 4 carbon atoms, alkoxy or 1 to 4 carbon atoms, carboxy or carbalkoxy of 2 to 5 carbon atoms,

R<sub>8</sub> is hydrogen, sulfo, alkyl of 1 to 4 carbon atoms, alkoxy of 1 to 4 carbon atoms, chloro, bromo, hydroxy or -SO<sub>2</sub>Y,

R<sub>9</sub> is hydrogen, sulfo, alkyl of 1 to 4 carbon atoms, alkoxy of 1 to 4 carbon atoms or chloro, and

R<sub>10</sub> is hydrogen or sulfo;

in formulae 2 (e) and 2 (f)

R<sub>14</sub> is hydrogen, alkyl of 1 to 4 carbon atoms, preferably thereof methyl, or is phenyl,

R<sub>15</sub> is hydrogen, chloro, bromo, sulfo cyano, carbamoyl, sulfomoyl or carboxy, preferably hydrogen or carbamoyl.

R<sub>16</sub> is hydrogen, chloro, bromo, sulfo, cyano, carbamoyl, sulfomoyl or carboxy, preferably hydrogen or carbamoyl, and

R<sub>17</sub> is hydroxy, sulfo, sulfato, amino, alkylamino, of 1 to 4 carbon atoms, dialkylamino with alkyl group of 1 to 4 carbon atoms each, chloro or alkoxy of 1 to 4 carbon atoms, preferably methoxy or sulfo;

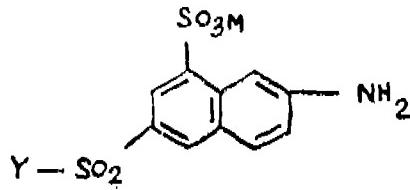
in formula 2 (g)

the free bond is in the ortho-or para-position relatively to the amino group.

R<sub>18</sub> is each independently selected from hydrogen and sulfo, and

M is defined as above.

*Characterized in that a compound of the general formula (3) in which M and Y are defined as above, is diazotized and coupled with a compound of the general formula H-K in which K is defined as above.*



Formula (3)

Compl. Specn. 32 pages

Drgs. 2 sheets

CLASS : 32-D, 32 A, & 2, 62-C-2

170303

Int. Cl : C09B 1/09, 5/00, 27/00, 29/00, 31/00  
33/00, 35/00, 43/00, 67/00.

A PROCESS FOR THE REDUCTION OF IONOGENIC HEAVY METAL CONTENT IN THE PREPARATION OF METAL COMPLEX DYESTUFFS.

Applicant : HOECHST AKTIENGESELLSCHAFT, D-6230 FRANKFURT AM MAIN 80, F.R. GERMANY.

Inventors : (1) UWE MROTZECK (2) PETER MISCHKE  
(3) GUNTHER SCHWAIGER (4) WERNER RUSS (5)  
MANFRED SITTIG.

Application No. 718/Cal/1988 filed 29 August, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims

A process for the reduction of heavy-metal ions such as herein described in the synthesis of a water-soluble heavy metal complex dyestuff such as herein described, which process comprises removing, at a pH-value in the range of from 2 to 10 and at a temperature in the range of from 10 to 100°C, the excess heavy metal ions from the synthesis solution by means of a compound, or a combination of these compounds, selected from :

(a) saturated and unsaturated fatty acids having about 8 to 18 carbon atoms and water-soluble salts thereof, preferably alkali metal salts thereof;

(b) the monesters and diesters of orthophosphoric acid and water-soluble salts thereof corresponding to the formulae (1a) and (1b) in which R denotes a saturated or unsaturated aliphatic radical, preferably an alkyl group having about 8 to 18 carbon atoms, it being possible for both Rs in formula (1b) to be identical to or different from one another, and M stands for a hydrogen atom or a salt-forming, water-solubilizing metal, preferably an alkali metal;

(c) aliphatic sulfonic acids and water-soluble salts thereof corresponding to the general formula (2) in which R and M have the abovementioned meanings;

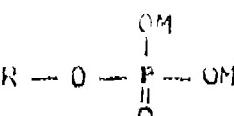
(d) aliphatic phosphonic acids and monoesters thereof and also water-soluble salts thereof corresponding to the formulae (3a) and (3b) in which R and M have the abovementioned meanings, it being possible for the Rs to have the meanings identical to or different from one another;

(e) malonic acid and water-soluble salts thereof such as, in particular, alkali metal salts such as sodium and potassium salts;

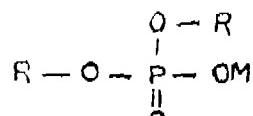
(f) trimercapto-s-triazine, 2-aminobenzoic acid, 8-hydroxy-quinoline and the water-soluble salts of these compounds, in particular alkali metal salts thereof, preferably sodium salts;

(g) water-soluble sulfides, in particular alkali metal sulfides, preferably sodium sulfide;

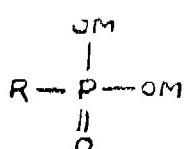
(h) functionalized polymers which react with metal ions by the ion-exchanger principle or form metal chelate complexes.



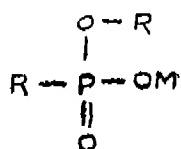
Formula (1a)



Formula (1b)



Formula (3a)



Formula (3b)

Compl. Specn. 35 pages

Drgs. 3 sheets

CLASS : 206-E

170304

Int. Cl. : H04N 11/00

## A SYSTEM FOR RECEIVING AND DECODING A TELEVISION SIGNAL.

Applicant : GENERAL ELECTRIC CORPORATION, 1 RIVER ROAD, SCHENECTADY, NEW YORK, 12345, U.S.A.

Inventor MICHEL ANTHONY ISNARDI.

Application No. 720/Cal/1988 filed 29 August, 1988.

Convention dated 14th September, 1987, No. 8721565 U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

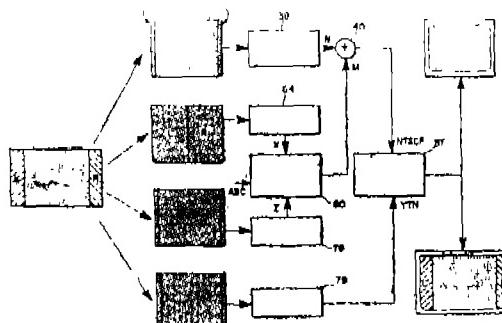
A system for receiving and decoding a television signal representative of a widescreen image having an associated primary image information portion with an image aspect ratio greater than that of an associated secondary image information portion, an overall image aspect ratio greater than that of a standard television image, enhanced image resolution relative to a standard television signal image, said television signal being compatible with the format of a standard television signal and comprising (a) a first baseband component (N) comprising information representative of a standard aspect ratio image, (b) a second baseband component (x) comprising secondary image portion information, and (c) a third baseband component (Z) comprising horizontal high frequency image detail information, said first, second and third components sharing a common baseband transmission path, said system comprising :

an input (1310) for receiving said television signal via a single channel;

means (1324, 1326) for decoding said television signal into said first, second, and third components; and

video signal processing means (1330-1364) responsive to said decoded first, second, and third components for developing an image representative signal.

Fig. 1



Compl. Specn 47 pages

Drgs. 23 sheets

CLASS : 155-B, B, 73, 74

170305

Int. Cl. D02J 13/00, D03D 25/00.

## A PROCESS FOR PREPARING JUTE BASED LIMINATES AND JUTE BASE LAMINATES MANUFACTURED THEREBY.

Applicant : INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION, 17, TARATOLA ROAD, CALCUTTA-700 088, WEST BENGAL, INDIA.

Inventors : (1) SRINIVASACHARI RAMANUJACHARI RANGANATHAN (2) PRANAB KUMAR PAL (3) ARUP KUMAR RANA (4) BHAIKAB CHANDRA MITRA.

Application No. 23/Cal/1989 filed 09 January, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 14 Claims

A process for preparing jute based laminates which comprises :

(a) treating jute hessian cloth with an aqueous solution of resin as herein described at a temperature of 25°C to 35°C so that the treated cloth after squeezing through rollers and drying at a temperature of 90°C to 130°C has a resin content of 25% to 50% per cent and volatile content of 4% to 10% per cent on the weight of the cloth;

(b) cutting the treated cloth in desired sizes.

(c) Laminating several layers of treated cloth including alternate layers of treated and untreated cloth, if necessary, by applying a pressure not less than 900 p.s.i. and heating at a temperature not less than 130°C and maintaining the



one phenylcarbonyloxy group optionally substituted with one to three halogen atoms, one to three C<sub>1</sub>-C<sub>4</sub> alkylgroups, or one to three C<sub>1</sub>-C<sub>4</sub> alkoxy groups,

one C<sub>1</sub>-C<sub>4</sub> alkoxy carbonyl group optionally substituted with one to three halogen atoms or one to three C<sub>1</sub>-C<sub>4</sub> alkoxy groups, or

one benzyloxycarbonyl group optionally substituted on the phenyl ring with one to three halogen atoms, one to three C<sub>1</sub>-C<sub>4</sub> alkylgroups or one to three C<sub>1</sub>-C<sub>4</sub> alkoxy groups,

C<sub>3</sub>-C<sub>6</sub> alkenyl optionally substituted with one to three halogen atoms or one phenyl group,

3-C<sub>6</sub> alkynyl optionally substituted with one to three halogen atoms or one phenyl group,

C<sub>1</sub>-C<sub>6</sub> alkoxy optionally substituted with one to three halogen atoms,

C<sub>2</sub>-C<sub>6</sub> alkenyloxy optionally substituted with one to three halogen atoms,

di(C<sub>1</sub>-C<sub>4</sub> alkyl) amino,

N-(C<sub>1</sub>-C<sub>4</sub> alkyl)-N-phenylamino or -N-halophenylamino, or

C<sub>3</sub>-C<sub>6</sub> polymethyleneimino

provided that when W is No 2 and X is halogen and Y and Z are hydrogen and W and Y or Z are attached to the pyrrole ring carbon atoms adjacent to nitrogen, then R cannot be methyl;

When W is No 2 and X is CN and Y and Z are hydrogen, then B cannot be methyl, propyl or hydroxyethyl;

When W and X are CN and Y and Z are Cl and Y and Z are both attached to the pyrrole ring carbon atoms adjacent to nitrogen, then B cannot be methyl and when W and X are CN and Y and Z are hydrogen, then B cannot be methyl,

which comprises reacting a compound having the structure (Ia) of the accompanying drawings wherein W, X, Y, and Z are as defined above with an alkylating or acylating agent having the structure B-A wherein B is as defined above and A is halogen, in the presence of an alkali metal C<sub>1</sub>-C<sub>4</sub> alkoxide and a solvent.

Compl. Specn 89 pages.

Drgs. 06 sheets

CLASS : 34-A

170307

Int. Cl. : D 02 G 1/00.

CONTINUOUS MULTIFILAMENT CRIMPED POLYAMIDE YARN AND PROCESS FOR MAKING SAME.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, WILMINGTON, DELAWARE, U.S.A.

Inventor : THOMAS LARSON NELSON.

Application No. 08/Cal/1990 filed 01 January, 1990

Divisional Application No. 23/Cal/87 Ante dated to January 8, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 16 Claims

A continuous multifilament crimped polyamide yarn suitable for use in loop pile carpeting comprising at least one continuous multifilament crimped core yarn and at least one continuous multifilament crimped wrap yarn characterized by the filaments of the wrap yarn being from 1 to 14% longer than the filaments of the core yarn.

Compl. Specn 30 pages.

Drgs. 08 sheets.

CLASS : 35-E

170308

Int. Cl. : C04B 35/58

### IMPROVED GUN BARRELS.

Applicant : LANXIDE TECHNOLOGY COMPANY, LP, TRALEE INDUSTRIAL PARK, NEWARK, DELAWARE 19711, U.S.A.

Inventors : (1) MARC STEVENS NEWKIRK (2) H. DANIEL LESHER.

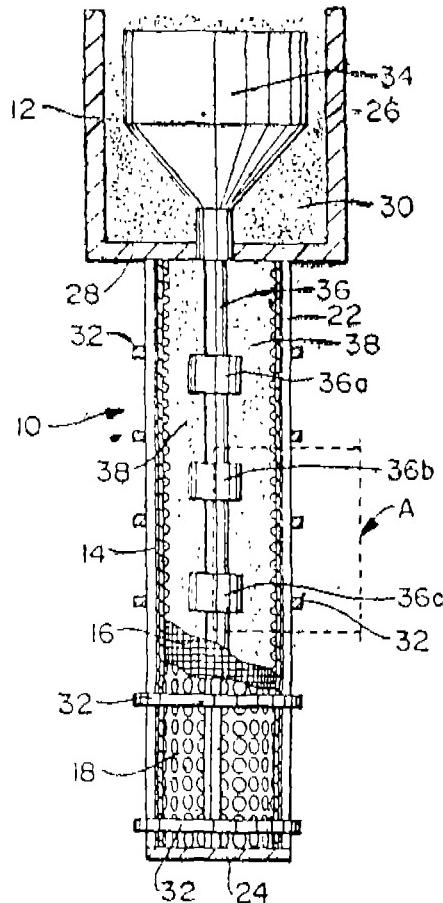
Application No. 32/Cal/1990 filed 09 January, 1990.

Divisional out of No. 716/Cal/87 Ante dated to 08th Sept., 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 5 Claims

An improved gun barrel comprising a ceramic liner, sleeve means superimposed on said liner for maintaining said liner under compressive stress, the improvement wherein said liner comprising a ceramic filler such as herein described and a polycrystalline ceramic matrix such as herein described embedding said filler, said polycrystalline ceramic matrix having been prepared in the manner claimed in present Patent Application No. 716/Cal/87, said ceramic liner having a refeled bore conforming to the size of the barrel.



Compl. Specn. 38 pages.

Drgs. 1 sheet

CLASS : 194-C

170309

Int. Cl. : H01J 29/48.

**CATHODE DISPLAY SYSTEMS.**

Applicant : RCA LICENSING CORPORATION, 2 INDEPENDENCE WAY, P.O. BOX 2023, PRINCETON, NEW JERSEY, 08540, U.S.A.

Inventors : (1) STANLEY BLOOM (2) ERIC FRANCIS HOCKINGS.

Application No. 200/Cal/1990 filed 08 March, 1990.

Divisional out of No. 657/Cal/87 Ante dated to 19th Aug, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**3 Claims**

A color display system including a cathode-ray tube having an electron gun for generating and directing three electron beams along paths towards a screen of said tube, said gun including electrodes comprising a beam-forming region and electrodes for forming a main focusing lens, and said system including a self-converging yoke that produces an astigmatic magnetic deflection field;

wherein the system comprises :

electrodes (42, 44) in said electron gun (26) forming a multipole lens between the beam-forming region and the main focusing lens in each of the electron beam paths, wherein each multipole lens is oriented to provide a correction to an associated electron beam (28) to at least partially compensate for the effect of the astigmatic magnetic deflection field on the associated beam, and wherein said electrodes for forming a multiple lens include a first multipole lens electrode (42) and a second multipole lens electrode (44), said second multipole lens electrode being a portion of one of said electrodes (44, 46) for forming a main focusing lens, and said first multipole lens electrode being located between the second multipole lens electrode and the beam-forming region, adjacent to the second multipole lens electrode.

means for applying a fixed focus voltage ( $V_{05}$ ) to said second multipole lens electrode.

means (120) for applying a dynamic voltage signal ( $V_{m2}$ ) to said first multipole lens electrode, said dynamic voltage signal being related to deflection of the electron beams, and

each multipole lens being located sufficiently close to the main focusing lens to cause the strength of the main focusing lens to vary as a function of voltage variation of said dynamic voltage signal.

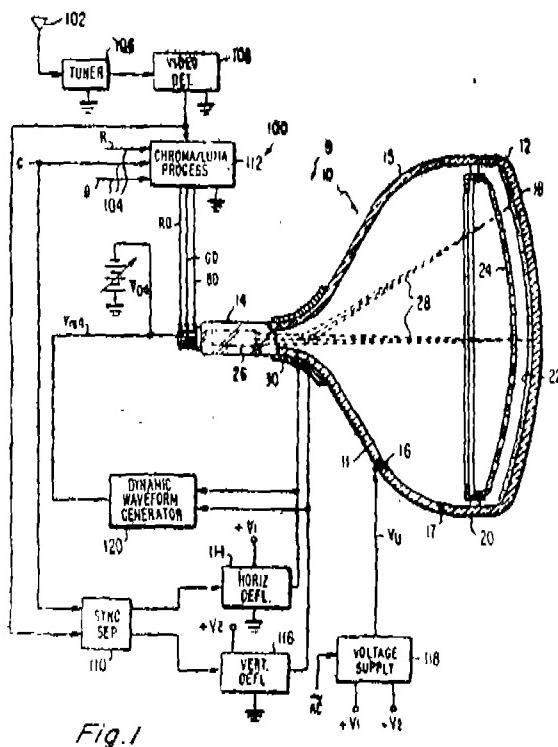


Fig.1

Compl. Specn. 19 pages.

2—497GI/91

Drgs. 06 sheets

CLASS : 33F+33H

170310

Int. Cl. : B22D 7/02, 7/06.

PROCESS FOR THE MANUFACTURE OF A CONTINUOUS CASTING INGOT MOULD FROM A COPPER ALLOY.

Applicant : KMB-KABELMETAL AKTIENGESELLSCHAFT, KLOSTERSTR. 29, D-4500 OSNABRUCK, GERMANY.

Inventor : DIPL.-ING. HORST GRAVEMANN.

Application No. 595/Cal/1990 filed 16 Jul, 1990.

Divisional out of No. 479/Cal/1987 Ante dated to 19th Jun, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**3 Claims**

Process for the manufacture of a continuous casting ingot mould from a commercially available copper alloy comprising essentially of 0, 2 to 1, 2% by weight nickel, 0.04 to 0.25% by weight of phosphorus, the rest being copper and impurities of max. 0.2% by weight resulting from the production process, in the tempered state, comprising reshaping the alloy by hot-working, thereafter chilling the alloy, cold working by at least 10% annealing the cold worked alloy for 1 to 8 hours at a temperature between 350 and 500°C, and finally cold working by at least 10%.

Compl. Specn. 10 pages.

Drgs. Nil

CLASS : 55-E.4—[GROUP—XIX(1)]

170311

Int. Cl. : A 61 K 31/33

A PROCESS FOR REPAIRING A DRUG COMPOSITION FOR ALLEVIATING THE SYMPTOMS OF PRE-MENSTRUAL SYNDROME.

Applicant & Inventor : MICHAEL COHEN, A CITIZEN OF THE NETHERLANDS, OF KERKOBOSLAAN 4A, WASSENAAR, THE NETHERLANDS.

Application No. 8/Mas/90 filed January 3, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, Madras.

**5 Claims (No drawing)**

A process for preparing a drug composition for alleviating the symptoms of pre-menstrual syndrome comprising admixing 2 mg to 2000 mg of melatonin, 25 to 750 micro gram of progestogen and pharmaceutically acceptable carrier such as herein described wherein the amount of progestogen is measured as norethisterone.

Compl. Specn. 19 pages.

CLASS : 83-A.1—[GROUP—XIV(5)]

170312

Int. Cl. : A 23 J 3/00.

A PROCESS FOR PRODUCING PROTEIN HYDROLYZATE FREE OF CHLOROHYDRINS.

Applicant : SOCIETE DES PRODUITS NESTLE S A, OF CASE POSTALE 353, 1800 VEVEY, SWITZERLAND, A COMPANY INCORPORATED IN SWITZERLAND.

Inventors : (1) PIERRE HIRSBRUNNER (2) HANS WEYMUTH.

Application No. 29/Mas/90 filed January 11, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

**3 Claims (No drawing)**

A process for producing protein hydrolyzate free of chlorohydrins comprising the steps of : hydrolyzing vegetable proteins with concentrated hydrochloric acid and neutralizing

the hydrolyzate to obtain protein hydrolyzate containing a first and second insoluble such as hereinbefore described; separating the said first and second insolubles in a known manner; subjecting the hydrolyzate to countercurrent liquid/liquid extraction at a temperature in the range of 15 to 30°C under atmospheric pressure with a solvent in the range of 0.5 to 2 times the volume of the hydrolyzate, said solvent being selected from the group consisting of ethyl acetate, 1-butanol, 2-butanol, isobutanol and methyl ethyl ketone to eliminate the monochloropropanediols (MCPS) and the dichloropropanediols (DCPS); stripping the hydrolyzate with steam to eliminate the residual solvent and adding hydrochloric acid to the stripped hydrolyzate to obtain protein hydrolyzates free of chlorohydrins and having a pH range of 5.2 to 5.8.

Compl. Specn. 12 pages

CLASS : 83-A.1—[GROUP—XIV(5)]

170313

Int. Cl.<sup>4</sup> : A 23 L 1/24

#### A PROCESS FOR PRODUCING A CHOLESTEROL-FREE SALAD DRESSING OF THE MAYONNAISE TYPE

Applicant : CPC INTERNATIONAL INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF INTERNATIONAL PLAZA, P.O. BOX 8000 ENGLEWOOD CLIFFS, NEW JERSEY 07632, U.S.A.

Inventor : MARY DEBORAH MEINERS.

Application No. 64/Mas/90 filed 22nd January, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, Madras.

#### 3 Claims (No drawing)

A process for producing a cholesterol-free salad dressing of the mayonnaise type comprising the step of mixing a protein source selected from the group consisting of egg white, whey protein, whey protein concentrates and combinations thereof in an amount of 1 to 4 percent by weight; an oil in an amount of 25 to 40 percent by weight; water in an amount of 10 percent by weight and a starch paste in an amount of 40 to 60 percent by weight to obtain cholesterol-free salad dressing having 0.6 to 1 milligram of soluble protein per gram of said cholesterol-free salad dressing.

CLASS : 83-A.1&2 [GROUP—XIV(5)]

170314

Int. Cl.<sup>4</sup> A-23 L 1/22

#### A METHOD OF PREPARING A CONDIMENT OF SOY SAUCE AND/OR FISH SAUCE.

Applicant, CPC INTERNATIONAL INC., A DELAWARE CORPORATION, U.S.A., OF INTERNATIONAL PLAZA, P.O. BOX 8000, ENGLEWOOD CLIFFS, NEW JERSEY 07632, U.S.A.

Inventors : (1) CLAUDIA AMMEDICK-NAUMANN  
(2) DR. HANS BOHRMANN.

Application No. 79/Mas/90 filed January 31, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, Madras.

#### 5 Claims (No drawing)

A method of preparing a condiment of soy sauce and/or fish sauce with refined taste comprising admixing 10 to 85% by weight of soy sauc and/or fish sauce, 5 to 20% by weight of common salt, 1 to 30% by weight of fenugreek and 0 to 80% by weight of water to obtain a condiment with refined taste.

Compl. Specn. 15 pages

CLASS : 77-C—[GROUP—XI(1)]

170315

Int. Cl.<sup>4</sup> : C 11 C 3/10

#### A CATALYTIC PROCESS FOR INTERESTERIFICATION OF OILS AND OR FATS TO PRODUCE MODIFIED FATS.

Applicant & Inventor : VISWANATHA SANKARAN, M. A., (RETD.), 6-A, D'SILVA ROAD, MADRAS-600 004, TAMIL NADU, INDIA INDIAN NATIONAL.

Application No. 122/Mas/90 filed February 14, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 6 Claims (No drawing)

A catalytic process for interesterification of oils and or fats to produce modified fats comprising of treating neutral, moisture free and refined oils and or fats with a catalyst consisting of mixture of sodium and potassium polyalkoxides of di and tri hydroxy alcohols containing three carbon atoms and acetone at a temperature range of 40°C to 90°C for 15 to 120 minutes, cooling the reaction mixture to approximately to 5°C, followed by heating to about 10°C to 20°C, repeating the cycle of heating and cooling to complete reaction, removing the catalyst by washing, drying under vacuum, bleaching and deodrozing the product by known means.

Compl. Specn 17 pages.

Ind. Class : 83-A. 1 [GROUP-XIV(5)]

170316

Int. Cl.<sup>4</sup> : A 23 L 1/20

#### A METHOD OF PRODUCING A TEXTURED SOY PROTEINS PRODUCT IN THE FORM OF DISCRETE CHUNKS FREE FROM OFF FLAVORS AND ODORS OF WHOLE SOYBEANS.

Applicant : SOCIETE DES PRODUITS NESTLE S.A., OF CASE POSTALE 353, 1800 VEVEY, SWITZERLAND, A COMPANY INCORPORATED IN SWITZERLAND.

Inventor : EDWARD M. McCABE.

Application No. 151/MAS/90 filed 27th February, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 11 Claims (No drawing)

A method of producing a textured soy protein product in the form of discrete chunks free from off-flavors and odors of whole soybeans comprising,

hydrating and acidifying whole soybeans to a pH in the range of between 4.5 to 6.5,

commuting the hydrated and acidified whole soybeans to provide an aqueous dispersion of soybean particles having a pH in the range of between 4.5 to 6.5,

introducing the aqueous dispersion having a solids content of between 10% to 45% by weight and up to 45% protein on a moisture free basis into a confined treatment zone,

injecting pressurized steam into a confined steam of the aqueous dispersion in said treatment zone under conditions sufficient to rapidly denature soy protein in said dispersion and texturize the protein into discrete chunks of texturized soy protein, and

discharging the texturized protein from said treatment zone in the form of discrete chunks which are free of off-flavors and odors.

(Com.—39 pages)

Ind. Class : 39-O [GROUP-III]

170317

Int. Cl<sup>1</sup> : C 01 B 33/26

PROCESS FOR PREPARING AN ENVIRONMENT PROTECTIVE AGENT FOR ADSORBING RADIOACTIVE METAL ISOTOPES AND TOXIC HEAVY METALS.

Applicants : (1) AGROMEN AGARMENEDZSERI KFT, A BODY CORPORATE ORGANIZED UNDER THE LAWS OF HUNGARY OF 34, SAGVARI KRT., SZOLNOK H-5000, HUNGARY;

(2) ORSZAGOS "EREDJERIC" JOLIOT-CURIE" SUGARBIOLIAI ES SUGAREGESSEGUGYI KUTATO INTEZET, A BODY CORPORATE ORGANIZED UNDER THE LAWS OF HUNGARY OF 5, PENTZ K.u. BUDAPEST, H-1221 HUNGARY; and

(3) MAGYAR KULKERESKEDELMI BANK RT, A BODY CORPORATE ORGANIZED UNDER THE LAWS OF HUNGARY OF 11, SZENT ISTVANTER, BUDAPEST H-1051, HUNGARY.

Inventors : (1) LASZLO VARGA

(2) MIHALY TOROCSIK

(3) LASZLO BALINT SZTANYIK

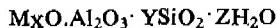
(4) IMRE L JUHASZ.

Application No. 215/MAS/90 filed March 23, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims (No drawing)

Process for preparing an environment protective agent for adsorbing radioactive metal isotopes and toxic heavy metals comprising the steps of treating a silicon containing minerals of a particle size of 0.001 to 0.5 mm; a natural diatomaceous earth and at least two natural zeolite minerals of the general formula



wherein M stands for sodium potassium or calcium

X is a number between 1 and 2 with both extreme values;

Y is 3 or 10; and

Z is 6 or 7

with dilute acid, washing the treated product for removing the acid contents, drying at a temperature not exceeding 115°C, heating the dried substance at a temperature of 150° to 350°C to obtain the said environment protective agent wherein the amount of each mineral ingredient independently is in total weight of the agent.

(Com.—16 pages)

Ind. Class : 32-F. 3(a) [GROUP IX(1)]

170318

Int. Cl<sup>1</sup> : C 07 C 69/593

PROCESS FOR THE PREPARATION OF DIALKYL ALKOXYALKYLIDENEMALONATES.

Applicant : HULS AKTIENGESELLSCHAFT, OF 4370 MARL 1, KREIS RECKLINGHAUSEN GERMANY, A GERMAN COMPANY.

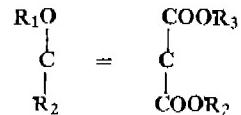
Inventors : (1) FRANZ-ALBERT VON ITTER  
(2) KLAUS DIETER STEFFEN

Application No. 235/MAS/90 filed April 2, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims (No drawing)

Process for the preparation of dialkyl alkoxy-alkylidene-malonates of the formula



I

 $R_1$  is alkyl having 1 to 4 carbon atoms, $R_2$  is hydrogen, alkyl having 1 to 4 carbon atoms, and

$R_3$  and  $R_4$  are alkyl having 1 to 4 carbon atoms, by reaction of dialkylmalonates with trialkyl orthocarboxylates in the presence of carboxylic acids and/or their anhydrides, such as herein described at a temperature ranging from 60° to 200°C and at a pressure of 1 to 10 bar wherein 0.001 gm to 10 gm of aluminium silicates are employed as catalyst for 1 mole of malonate and said aluminium silicate is treated with acids or acidic salts.

(Com.—15 pages)

Ind. Class : 32-F.2(c) [GROUP IX(1)]

170319

Int. Cl<sup>1</sup> : C 07 C 149/14

A METHOD FOR THE PRODUCTION OF POTASSIUM SALT OF N-SUBSTITUTED-1-ALKYLTHIO-2-NITROETHENAMINE.

Applicant : GLAXO GROUP LIMITED, A BRITISH COMPANY OF CLARGES HOUSE, 6-12 CLARGES STREET, LONDON W1Y 8 DH, ENGLAND.

Inventors : (1) JAMES IAN GRAYSON

(2) GRAHAM HEYES

(3) ARTHUR JACKSON

(4) PAUL EDWARD ROWNEY

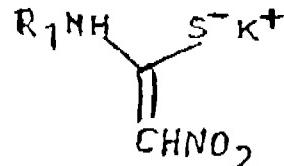
Application No. 247/MAS/90 filed April 4, 1990.

Convention date : April 5, 1989; (No. 89 07700.2; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A method for the production of potassium salt of N-substituted-1-alkylthio-2-nitroethenamine of formula I of the accompanying drawings.



in which  $R_1$  represents a straight chain C<sub>1-4</sub> alkyl group or a substituted alkyl group containing a heteroatom in the chain which comprises reacting a primary alkylamine  $R_1NH_2$  in which  $R_1$  is as defined above with a dipotassium salt of nitrothiocetic acid in a polar solvent recovering the compound of formula I in a known manner.

(Com.—11 pages)

Drwgs.—2 sheets)

Ind. Class : 32-F.2(b) [GROUP IX(1)]

170320

Int. Cl<sup>1</sup> : C 07 D 515/00

A PROCESS FOR PREPARING SPIRO-OXATHIOLANE/QUINUClidINE COMPOUNDS.

Applicant : THE ISRAELI INSTITUTE FOR BIOLOGICAL RESEARCH, STATE OF ISRAEL, REPRESENTED BY THE PRIME MINISTER'S OFFICE, P.O. B. 19, NESS-ZONA, ISRAEL.

Inventors : (1) ABRAHAM FISHER  
(2) ISHAI KARTON

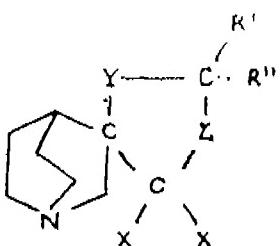
Application No. 455/MAS/90 filed on 11th June, 1990.

Divisional to Patent No. 167600 (695/MAS/88); Ant-dated to October 5, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 8 Claims

A process for preparing spiro-oxathiolane/quinuclidine compounds corresponding with the schematic structural formula (I) of the accompanying drawings.



and geometrical isomers, enantiomers, diastereoisomers, racemates and acid addition salts thereof, wherein one of Y and Z is O and the other is S(-O); n is O, 1 or 2; R' and R" are each selected from the group consisting of hydrogen, C1-6 alkyl, C2-6 alkenyl C2-6 alkynyl, C1-6 hydroxyalkyl, C1-6 aminoalkyl, C3-7 cycloalkyl, aryl, diarylimethylol, C1-6 alkyl substituted by at least one aryl group, C1-6 hydroxyalkyl in which the hydroxy is protected, and C1-6 aminoalkyl in which the amino is protected, provided that at least R' or R" is other than hydrogen; and each X is hydrogen, provided further that when Y is O and Z is S simultaneously, then at least one of R' and R" is selected from the group consisting of C2-6 alkenyl, C2-6 alkynyl, cyclopropyl, cyclobutyl, cycloheptyl, C1-6 hydroxyalkyl, C1-6 aminoalkyl, C1-6 hydroxyalkyl in which the hydroxy is protected and C1-6 aminoalkyl in which the amino is protected, which process comprises the initial step of reacting in an organic solvent and in presence of an acid catalyst, (a) 3-hydroxy-3, mercaptomethyl-quinuclidine, with (b) a carbonyl compound of formula R't O-R", where R' and R" have the above-defined significance, and optionally carrying out one or more of the following subsequent steps, namely:

(i) removing the protecting group(s) from a product in which at least one of R' and R" is selected from hydroxyalkyl in which the hydroxy is protected and aminoalkyl in which the amino is protected;

(ii) separating the product into its geometrical and (or) optical isomers;

(iii) converting the product obtained in free base form to an acid addition salt;

(iv) converting the product obtained in acid addition salt form to the free base;

(v) reducing the product in which n is 1 or 2 to the analogue in which n is O;

(vi) oxidizing the product in which n is O to the analogue in which n is 1 or 2;

(vii) isolating the product of said initial step of reacting (a) with (b), or the product of any of the subsequent steps (i) to (v), by removal of solvent therefrom.

Com.—48 pages;

Drwgs.—1 sheet.

Ind. Cl. : 33 F [GROUP LIX (3)]

170321

Int. Cl.<sup>1</sup> : B 22 C 9/08

A VERTICALLY SPLIT MOULD WITH TWO HALVES.

Applicant : FOSECO INTERNATIONAL LIMITED, A BRITISH COMPANY OF 285 LONG ACRE, NECHILLS, BIRMINGHAM, B7 5JR, ENGLAND.

Inventors : (1) WERNER WILLI KALLISCH  
(2) ERHARD WIESE

Application No. 695/MAS/87 filed on 25th September, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 6 Claims

A vertically split mould with two halves comprising a mould cavity, a runner and a ceramic foam filter located in the said runner wherein one half of the mould has in the runner a recess of triangular horizontal cross-section located opposite to a recess of substantially the same shape and size in the runner of the other half and each said recesses contain at least substantially one half of the total volume of a ceramic foam filter whose horizontal cross-section is a right-angled tetragon.

Com. Spec.—13 pages;

Drws.—3 sheets.

Ind. Class : 206-E [GROUP LXII]

170322

Int. Cl.<sup>1</sup> : G 06 F 15/38

AN APPARATUS FOR TRANSLATING PHRASES FROM A FIRST LANGUAGE INTO A SECOND LANGUAGE.

Applicant : BRITISH TEL COMMUNICATIONS PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF 81 NEWGATE STREET, LONDON, EC1A, 7AJ, ENGLAND.

Inventors : (1) FREDERICK WARWICK MICHAEL STENTIFORD  
(2) MARTIN GEORGE STEER

Application No. 698/MAS/87 filed on 28th September, 1987.

Convention date : October 3, 1986; (No. 8623839; United Kingdom).

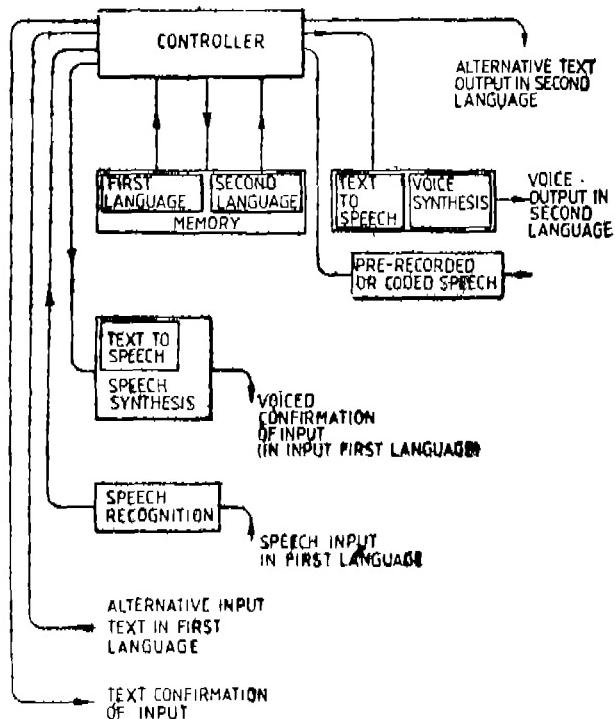
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 3 Claims

An apparatus for translating phrases from a first language into a second language, comprises input means for accepting an input phrase in the first language; a store holding a collection of phrases in the second language; characterisation means connected to said input means for determining which phrase of the collection corresponds to the input phrase, and to control the output of that phrase; and output means responsive to the characterisation means for outputting the determined phrase in the second language;

wherein the characterisation means has a speech recognizer to recognize in the input phrase, the presence of at least one keyword or keyword-part of a predetermined set of

keywords or keyword-parts, the number of members in the set being smaller than the number of phrases in the collection, and to select, in dependence on those recognized keywords or keyword-parts, a stored phrase from the collection.



Comp.—15 pages;

Drwg.—1 sheet.

Ind. Class : 172-F [GROUP XX] 170323

Int. Cl. : G 01 R 27/26

**APPARATUS FOR TESTING UNIFORMITY OF TEXTILE MATERIALS SUCH AS YARNS, ROVINGS AND SLIVERS.**

Applicant : ZELLWEGER USTER AG, A SWISS COMPANY, OF WILSTRASSE 11, CH 8610, USTER, SWITZERLAND.

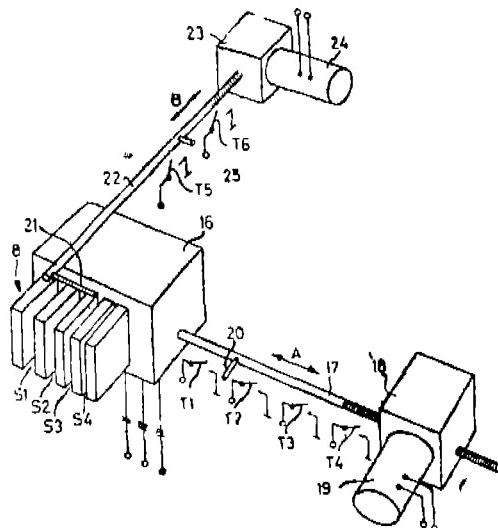
Inventor : EDUARD HEUSSER.

Application No. 709/MAS/77 filed October 5, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**7 Claims**

Apparatus for testing uniformity of textile materials such as yarns, rovings and slivers, characterised in that a measuring unit containing a guide device, a measuring instrument, a feed device and a draw-off device for the test material, the measuring instrument being formed by a measuring comb with plate like projections defining gaps of different widths through which the test material is passed during testing and being connected to a displacement device to displace the measuring comb transversely to the direction of movement of the test material wherein each measuring gap is adjustable to a particular measuring position, the measuring comb is arranged in a housing forming a part of the measuring unit and projects from the front plate of this housing.



(Com.—13 pages;

Drwgs.—4 sheets.)

Ind. Class : 172-F [GROUP XX]

170324

Int. Cl. : G 01 R 27/26

**APPARATUS FOR TESTING TEXTILE MATERIAL SUCH AS YARNS, ROVINGS AND SLIVERS.**

Applicant : ZELLWEGER USTER AG, A SWISS COMPANY, OF WILSTRASSE 11, CH-8610, USTER, SWITZERLAND.

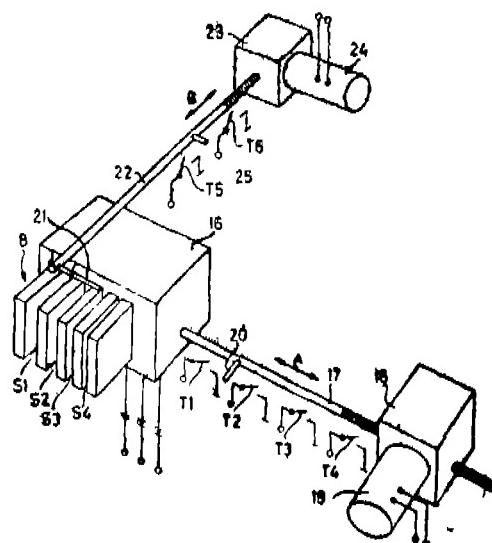
Inventor : EDUARD HEUSSER.

Application No. 710/MAS/87 filed October 5, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**7 Claims**

Apparatus for testing textile material such as yarns, rovings slivers, comprising a measuring unit containing a guide device, a measuring instrument formed by a measuring comb with measuring gaps of different widths, a feed unit, a draw off unit for the test material, characterised in that a device arranged in the region of the measuring comb for temporarily removing the test material from its measuring gap and subsequently guiding it back into the gap to provide an interval during which said measuring gaps are free of test material, the said device being formed by a piston-like element which has a back and forth movement extending transversely to the test material and by a finger attached to the said element.



(Com.—13 pages;

Drwgs.—4 sheets.)

Ind. Class : 172-F [XX]

170325

Int. Cl.<sup>4</sup> : G 01 R 27/26

## APPARATUS FOR TESTING TEXTILE MATERIAL.

Application : ZELLWEGER USTER AG, A SWISS COMPANY, OF WILSTRASSE 11, CH-8610, USTER, SWITZERLAND.

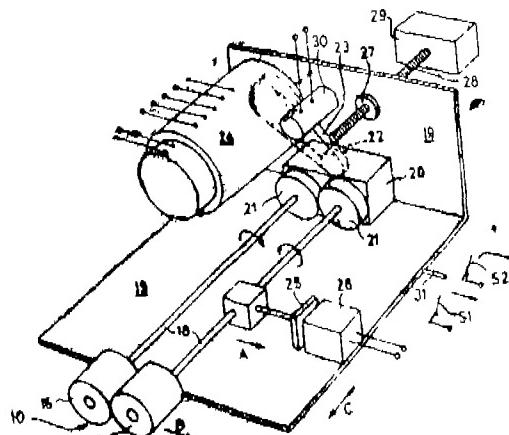
Inventor : EDUARD HEUSSER.

Application No. 711/MAS/87 filed October 5, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

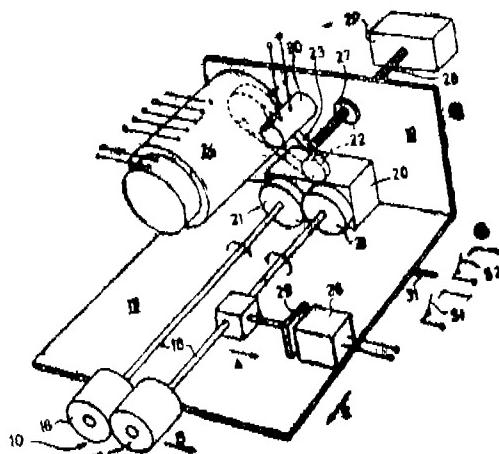
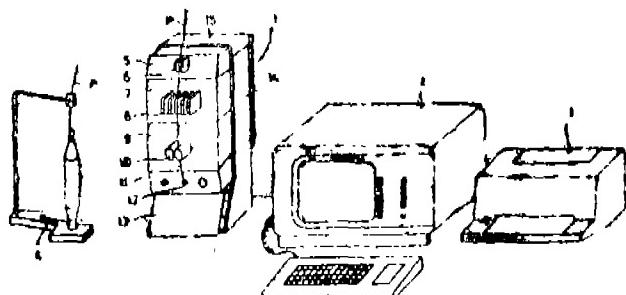
## 2 Claims

Apparatus for testing textile material such as yarns, rovings and slivers, comprising a measuring unit consisting of a guide device, a measuring instrument, a feed device and a draw off device for the test material, the feed device being formed by a pair of transport rollers resiliently pressed against one another, each of said transport rollers being mounted on a shaft, a gear wheel being mounted one each of the two shafts and in engagement with one another to positively connect the two shafts together, and one of said shafts being connected to a drive means to provide a positive coupling of said drive means to both of the transport rollers.



(Com.—13 pages;

Drwgs.—4 sheets.)



(Com.—13 pages;

Drwgs.—4 sheets.)

Ind. Class : 126-C [GROUP LVIII(6)]

170326

Int. Cl.<sup>4</sup> : G 01 R 27/26

## AN APPARATUS FOR TESTING TEXTILE MATERIAL SUCH AS YARNS, ROVINGS OR SLIVERS.

Applicant : ZELLWEGER USTER AG, A SWISS COMPANY, OF WILSTRASSE 11, CH-8610, USTER, SWITZERLAND.

Inventor : EDUARD HEUSSER.

Application No. 712/MAS/87 filed October 5, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 2 Claims

Apparatus for testing textile material such as yarns, rovings or slivers, comprising a measuring unit (1) with a guide device (6), a measuring instrument (8), a feed device (10) and a draw off device (12) for the test material (P), the said feed device (10) being formed by a pair of transport rollers (16) between which the said test material (P) is passed characterised in that means for effecting a reciprocating motion of the said test material (P) in the direction of the length of said transport rollers (16) by mounting the said transport rollers (16) and shafts (18) carrying them in an adjustment device (19) consisting of a threaded clutch (27), a threaded spindle (28) rotatably mounted on a part

Ind. Class : 126-C [GROUP LVIII(6)]

170327

Int. Cl.<sup>4</sup> : G 01 R 27/26

## AN APPARATUS FOR TESTING TEXTILE MATERIAL SUCH AS YARNS, ROVINGS OR SLIVERS.

Applicant : ZELLWEGER USTER AG, A SWISS COMPANY, OF WILSTRASSE 11, CH-8610, USTER, SWITZERLAND.

Inventor : GEROLD ROOS.

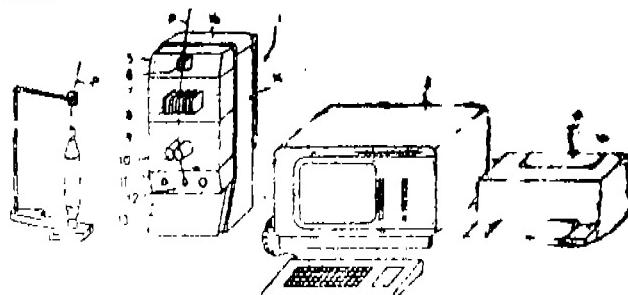
Application No. 713/MAS/87 filed October 5, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 4 Claims

An apparatus for testing textile material such as yarns, rovings or slivers comprising a measuring unit (1) with a guide device (6), a measuring instrument (8), a feed device (10) and a draw off suction nozzle (12) for the test material (P) characterised in that the said suction nozzle (12) consisting of a nozzle body (16) having a suction opening (25, 27) with a profiled part (24) having a plurality of steps inclined at an angle to each other and an inlet part (17) with an annular gap (23) for compressed air formed between the said suction opening (25, 27) and the said inlet part (17), and at least one bore (20) provided on the said nozzle

body (16) for supplying air into the said annular gap (23).



Ind. Cl. : 24 D4. F [GROUP IV]

170329

Int. Cl. : F 16 D 55/00.

#### Improvements Relating To Disc Brakes.

Applicants : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventor : HUGH GRENVILLE MARGETTS.

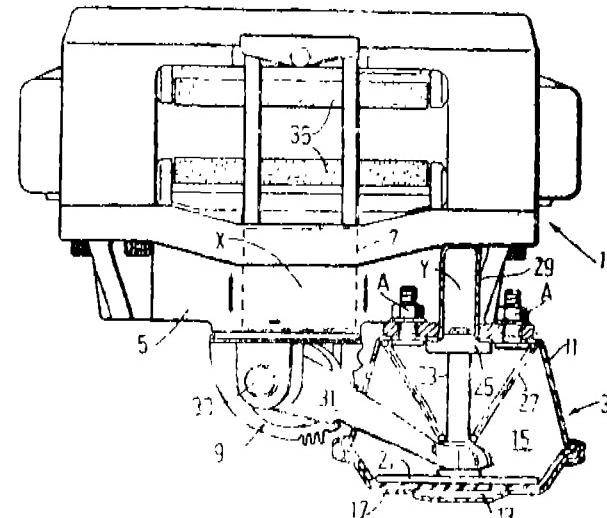
Application No. 727/MAS/87 filed on 12th October, 1987.

Convention dated 16th October, 1986; No. 8624800 (U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 6 Claims

A disc brake comprising a brake actuation mechanism which is axially movable by known brake applying means mounted on a part of the disc brake, the known brake applying means being characterised by an axis of actuation which extends in the same general direction as the axis along which the brake actuator moves to apply the brake.



(Com. 11 pages;

Drwgs.—2 sheets.)

Ind. Cl. : 136 E & 151 F [GROUP XIII, XLVIII(2)] 170328

Int. Cl. : B 29 C 65/18 & B 29 D 23/00

#### AN IMPROVED METHOD OF MANUFACTURING A TUBULAR BODY HAVING A SEAM AND A TUBULAR BODY HAVING A SEAM THEREOF.

Applicant : KMK KARL MAEGERLE LIZENZ AG, OF BAAKERSTRASSE 57, 6300 ZUG, SWITZERLAND, A SWISS COMPANY.

Inventor : HENRY UEBEREGGER.

Application No. 716/MAS/87 filed on 6th October, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 8 Claims

An approved method of manufacturing a tubular body having a seam for joining two overlapping edges of a multi-layer foil having an inside and an outside, each edge having a periphery and said foil having on said inside a layer of a weldable plastic, comprising the steps of pressing the inside surface of one edge against the outside surface of the other edge and sealing the said surfaces by the application of heat while pressing, the improvement comprising, prior to said pressing, cutting the other edge along the said periphery of said other edge so that said layer of plastic protrudes beyond the other layers of the foil.

(Com. Spec.—11 pages;

Drwgs.—2 sheets.)

Com. Spec.—15 pages;

Drwgs.—3 sheets.)

Ind. Class : 40-A,—[GROUP-IV(1)]

170330

Int. Cl. : B 01 J 19/24.

#### AN APPARATUS FOR INCREASING THE CONVERSION YIELDS AND FOR REDUCING THE ENERGYCONSUMPTION IN HETEROGENEOUS SYNTHESIS REACTORS.

Applicant : AMMONIA CASALE S.A./AND UMBERTO TOZARDI OF VIA DELLA POSTA 4, CH-6900, LUGANO, SWITZERLAND AND VIA LUCINO 57, CH-6932 BREGAZONA, SWITZERLAND, RESPECTIVELY, A SWISS COMPANY & A SWISS CITIZEN, RESPECTIVELY.

Inventor : UMBERTO ZARDI.

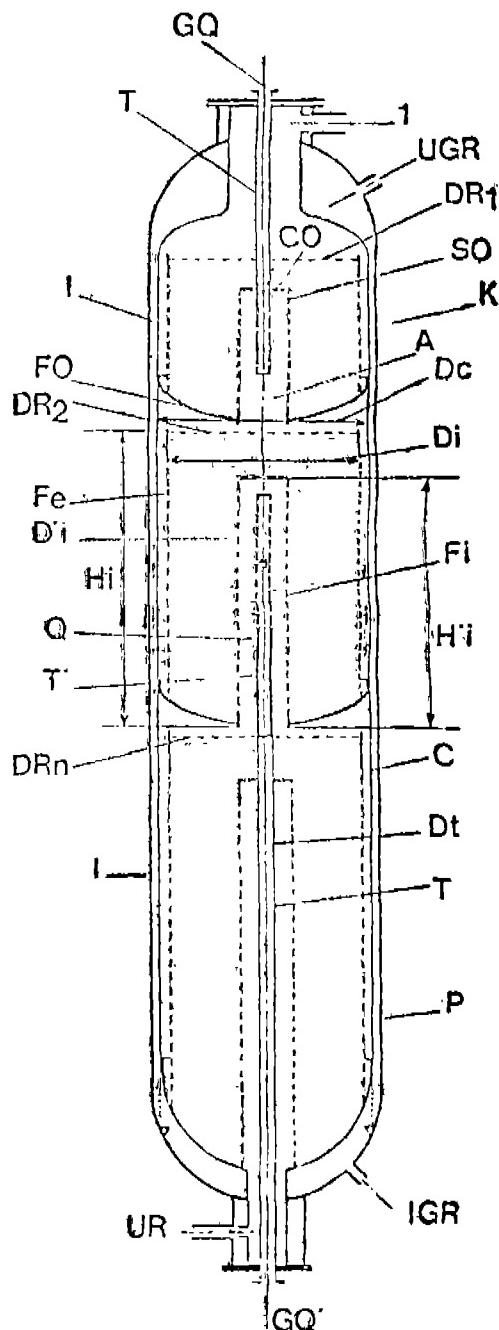
Application No. 734/Mas/87 filed on 13th October, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

#### 7 Claims

An apparatus for increasing the conversion yields and for reducing the energy consumption in heterogenous synthesis reactors, comprising an external shell(P) with a

cartridge (C) having a diameter ( $D_c$ ) capable of containing granular catalyst in a plurality of catalytic beds (K) with a bottom and an axial height ( $H_i$ ) enclosed between an external cylindrical wall made of sections of said cartridge (C) having a height ( $H_i$ ), an internal cylindrical wall made of sections of partly perforated internal feed pipe (T) for fresh quench gas having diameter ( $D_t$ ) smaller than the internal diameter ( $D_c$ ), each of said catalytic beds having their top faces open and are provided with (i) a perforated cylindrical outer wall (Fe) with a diameter ( $D_i$ ) less than the internal diameter ( $D_c$ ) of the said cartridge (C) and the height ( $H_i$ ) disposed inside and near the external wall of the said cartridge (C) (ii) a perforated inner cylindrical wall (Fi) having a catalytic bed with a diameter ( $D'_i$ ) greater than diameter ( $D_t$ ) of the said feed pipe (T) and height ( $H'_i$ ) along a major portion of the said height ( $H_i$ ) and (iii) a perforated cover (CO) at the top of the said inner wall wherein the ratio of the height ( $H_i$ ) to the height ( $H'_i$ ) being different from one catalyst bed to another catalytic bed.



(Compl. specn. 16 pages)

Drwgs. 2 sheets)

Ind. Class : 126-D &amp; 204—[GROUPS—

LVIII(6) &amp; XLI(10)]

170331

Int. Cl.<sup>4</sup> : G 01 G 11/16.

## AN APPARATUS FOR SENSING DISPLACEMENT.

Applicant : ANSTALT GERSAN, STAEDTLE 36, 9490 VADUZ, LIECHTENSTEIN, A LIECHTENSTEIN COMPANY.

Inventors : (1) DOERMAN, ERYK STEFAN

(2) STEWART, ANDREW DAVID GARRY

(3) TURNER, WILLIAM JAMES

(4) CLARKE, IAN

(5) HOMER, DAVID ANTONY.

Application No. 577/Mas/89 filed August 4, 1989.

Convention date : November 16, 1984; (No. 8428976; Great Britain).

Division to Patent No. 166674 (913/Mas/85); Ante-dated to November 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

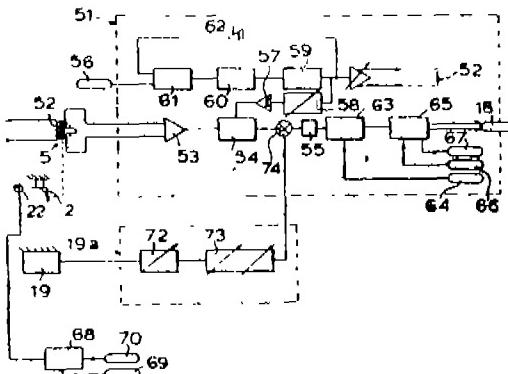
## 4 Claims

## Apparatus for sensing displacement, comprising :

a linear variable differential transformer having a core which moves in accordance with said displacement, a primary winding, and two matched secondary windings in series;

means for energising the primary winding with a signal which varies cyclically, and means for deriving from the output across the secondary windings a signal representative of said displacement which has a principal ripple component derived from the energising signal; and

means for taking a sample from said representative signal at the same point in each cycle of the principal ripple component, which sample is used to sense said displacement.



Inventors : (1) DOERMAN, ERYK STEFAN  
 (2) STEWART, ANDREW DAVID GARRY  
 (3) TURNER, WILLIAM JAMES  
 (4) CLARKE, IAN  
 (5) HOMER, DAVID ANTONY.

Application No. 578/Mas/89 filed August 4, 1989.

Convention date : November 16, 1984. (No. 8428976; Great Britain).

Divisional to Patent No. 166674 (913/Mas/85); Ante-dated 15th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Madras.

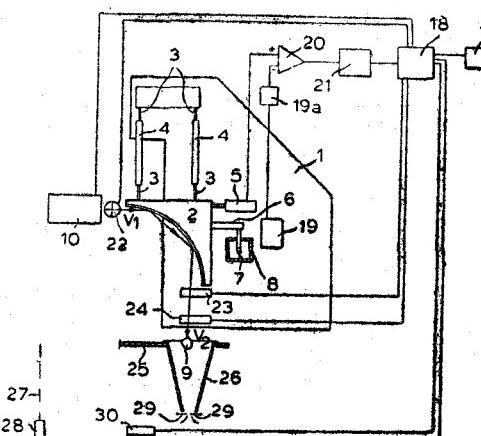
#### 12 Claims

Apparatus for individually weighing a number of discrete objects in spaced succession, comprising :

a body and a member substantially stationary with respect to said body, said member having a concave surface with an initial part and a terminal part at a substantial angle to each other;

means for directing each object in succession onto the initial part of the concave surface of said member so that the direction of the line of travel of the object is substantially changed by engagement of the object with said member; means for producing a first signal dependent upon the force between said member and said body due to the engagement of the object with said member;

second signal producing means for producing signal corresponding to the change in velocity of the object in a specific direction during its engagement with said member, and means for producing a mass signal indicative of the mass of the object derived from the first and second signals.



(Compl. specn. 35 pages)

Drwgs. 5 sheets)

Ind. Class : 126-D & 204 [GROUPS—  
 LVIII(6) XLI(10)]

170333

Int. Cl.<sup>4</sup> : G 01 G 1/36.

AN APPARATUS FOR INDIVIDUALLY WEIGHING A NUMBER OF OBJECTS IN SUCCESSION.

Applicant : ANSTALT GERSAN, STAEDTLE 36, 9490 VADUZ, LIECHTENSTEIN, A LIECHTENSTEIN COMPANY.

Inventors: (1) DOERMAN, ERYK STEFAN  
 (2) STEWART ANDREW DAVID GARRY  
 (3) TURNER WILLIAM JAMES  
 (4) CLARKE, IAN  
 (5) HOMER, DAVID ANTONY.

Application No. 579/Mas/89 filed August 4, 1989.

Convention date : November 16, 1984; Great Britain.

Divisional to Patent No. 166674 (913/Mas/85); Ante-dated to November 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

#### 19 Claims

Apparatus for individually weighing a number of discrete objects in spaced succession, comprising :

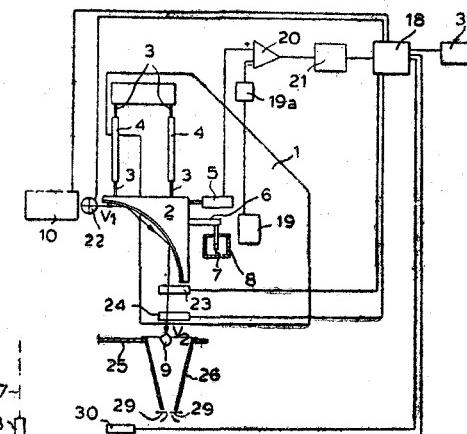
a body;

directing means to direct each object in succession onto the surface of a member which is substantially stationary with respect to said body for deflecting the object;

means for giving a first signal dependent upon the force between said member and said body in a specific direction due to the impact thereon of the object;

means for giving a second signal which varies with the change in velocity of the object in said direction during its engagement with said member; and

computing means, to which said first and second signals are input, for giving a signal indicative of the mass of the object.



(Compl. specn. 32 pages)

Drwgs. 5 sheets)

Ind. Class : 60-D—[GROUP-LIX(1)]

170334

Int. Cl.<sup>4</sup> : H 01 H 51/00.

A SELF POWERED ELECTRO-MECHANICAL INVERSE DEFINITE MINIMUM TIME RELAY.

Inventor : DILIP RANA.

Application & Provisional specification No. 753/Mas/87 filed October 19, 1987.

Complete specification left August 18, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

#### 4 Claims

An improved electromechanical inverse definite minimum time (IDMT) relay with a self powered auxiliary unit for providing contacts for external circuits, characterised in that a secondary winding (Ls) provided on the electromagnetic of conventional IDMT relay being connected through contacts (Ca) of the disc unit of the IDMT relay to a rectifier (D) and smoothing network, the D.C. output of which being connected to the coil of an auxiliary relay (1A) providing contacts (1,2 and 3,4) for external circuits.

Prov. 3 pages;

(Compl. specn. 4 pages

Drags. 2 sheets)

Ind. Class : 34 A [GROUP X] 170335

Int. Cl.<sup>1</sup> : B29 D 7/00.

**A PROCESS FOR PREPARING POLYETHYLENE ARTICLES SUCH AS FILAMENTS, TAPES OR FILMS.**

Applicants : DYNEEMA V.O.F., A DUTCH COMPANY, OF DR. NOLENSLAAN 119, 6136 GM SITTARD, THE NETHERLANDS.

Inventors : CORNELIS WILHELMUS MARIA BASTIAANSEN.  
YASUO OHTA  
HIROSHIGE SUGIYAMA.

Application No. 760/Mas/87 filed on 20-10-87.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

**6 Claims**

Process for preparing polyethylene articles such as filaments, tapes or films with tensile strength of at least 2 GPa, modulus of at least 70 GPa and low creep comprising the steps of dissolving 0.5 to 50% weight of polyethylene feedstock containing 2 to 20 alkyl side chains with less than 5 carbon atoms, per 1000 carbon atoms and having a viscosity average molecular weight of at least 500,000 kg/k mole in a known solvent or mixture of known solvents suitable for dissolving the polyethylene, cooling the solvent containing polyethylene to obtain a gel, drawing the gelled polyethylene to form the article of the desired shape between the glass transition temperature and the decomposition temperature of the polyethylene.

(Compl. specn. 14 pages

Drwgs. Nil)

Ind. Class : 32 F 2 (c) [GROUP IX(1)] 170336

Int. Cl.<sup>1</sup> : C 07 C 126/08.

**PROCESS FOR PREPARING CONCENTRATED UREA SOLUTION AND AN APPARATUS FOR CARRYING OUT THE PROCESS.**

Applicant : STAMICARBON B.V., A NETHERLANDS COMPANY OF MIJNWEG 1, 6167 AC GELEEN, the NETHERLANDS.

Inventors : (1) KEEKS JONCKERS  
(2) HENK CHRISTIAAN BURKS.

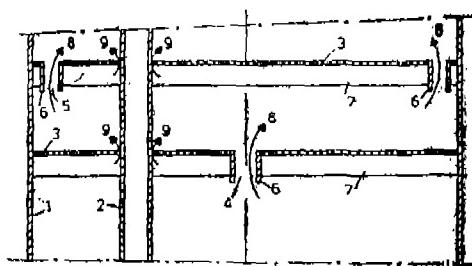
Application No. 761/Mas/87 filed on 21st October, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

**9 Claims**

Process for preparing concentrated urea solution by evaporation of water therefrom, in which process the urea solution is passed as a film downwards along the inside of the tube of a vertical tube bundle and a gas mixture containing NH<sub>3</sub>, CO<sub>2</sub> and H<sub>2</sub>O in a heating area provided around the bundle of tubes, the gas mixture containing NH<sub>3</sub>, CO<sub>2</sub> and H<sub>2</sub>O being supplied to the heating area near one end of the

tubes of the tube bundle and the urea solution at the other end of the tubes of the bundle, characterized in that the gas mixture containing NH<sub>3</sub>, CO<sub>2</sub> and H<sub>2</sub>O is passed substantially upwards through the heating area wherein the feed rate of the gas mixture containing NH<sub>3</sub>, CO<sub>2</sub> and H<sub>2</sub>O with respect to the flow area is chosen such that a gas cushion is formed in the heating area.



(Com. Spec.—14 pages; Drags.—1 sheet)

Ind. Class : 31 C [GROUP LVIII (2)] 170337

Int. Cl.<sup>1</sup> : H 01 L 23/34.

**AN APPARATUS FOR COOLING SEMICONDUCTOR COMPONENTS.**

Applicant : BBC BROWN BOVERI AG, A SWISS COMPANY, OF HASELSTRASSE 16, CH 5401 BADEN, SWITZERLAND.

Inventor : XAVER VOGEL.

Application No. 768/Mas/87 filed on 23rd October, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

**6 Claims**

An apparatus for cooling high power semiconductor components comprising :

a cooling element (1) with at least one cavity (4) partially filled with a cooling liquid (8) and having a gas space (7) above the cooling liquid;

the cooling liquid (8) being in thermic contact with the semiconductor component (6) to be cooled;

the said cavity (4) having an aperture towards one side closed by a dissipater (5);

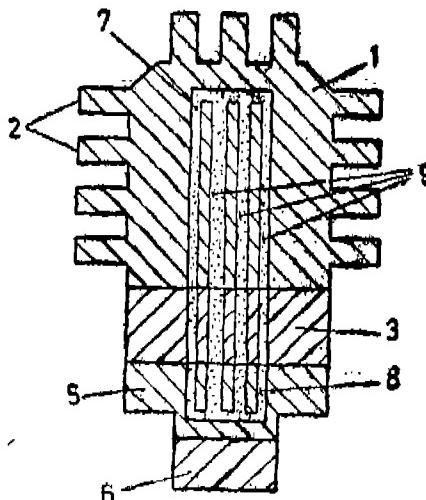
an insulating intermediate piece (3) disposed between the heat dissipater (5) and the cooling element;

the said dissipater (5) projecting into the cavity (4) and having an enlarged surface in contact with the cooling liquid (8);

the side of the said heat dissipater (5) facing the cavity (4) is in contact with the cooling liquid (8), the side of the said heat dissipater (5) remote from the cavity (4) is coupled thermally to the semiconductor component (6);

the heat dissipater is insulated electrically from the cooling element (1);

the said cooling element (1) and the heat dissipater (5) are made of material, having good thermal conductivity such as Al or Cu.



(Compl. Specn. 13 pages.)

Drgs. 4 sheets.)

Ind. Class : 172-A—[XX] 170338

Int. Cl.<sup>4</sup> : B 65 H 54/10; 67/04.

**A SPOOL FOR HOLDING CONVOLUTIONS OF AN OPTICAL FIBER.**

Applicant : AMERICAN TELEPHONE & TELEGRAPH COMPANY, OF 550 MADISON AVENUE, NEW YORK, NEW YORK 10022, U.S.A., A U.S. COMPANY.

Inventor : PUNDI LAXSHMI NARASIMHAM.

Application No. 770/Mas/87 filed October 23, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

**10 Claims**

A spool for holding convolutions of an optical fiber, comprising a hub having a longitudinal axis and a generally circular cross sectional configuration normal to the said longitudinal axis with first and second flanges attached to opposite ends of the said hub; a collector attached to said first flange for accumulating a few convolutions of the optical fiber to provide access to an end portion of the optical fiber, each of said flanges have a truncated conical shape with relatively large diameter position facing outwardly and relatively small diameter portion attached to the said hub, said first flange having a slot formed radially therethrough and said collector having a flange and a peripheral surface for winding the convolutions, the width and the thickness of said first flange being such that the curvature of a portion of the optical fiber extending through said slot from convolutions in said collector, to convolutions on said hub is kept to a minimum.

(Compl. specn. 16 pages)

Drgs. 3 sheets)

Ind. Class : 39 G [GROUP III] 170339

Int. Cl.<sup>4</sup> : C 01 F 7/56.

**PROCESS FOR PRODUCING ALUMINIUM CHLORIDE GRANULES.**

Applicant : ATOCHEM, A FRENCH BODY CORPORATE (FRANCE), OF LA DEFENSE 10, 4 & 8.—COURS MICHELET, 92800 PUTEAUX, FRANCE.

Inventor : JACQUES DUGUA.

Application No. 775/Mas/87 filed on 27th October 1987.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Madras.

**4 Claims**

Process for producing aluminium chloride granules substantially conical in shape wherein the height of the cone is from 0.5 to 5 cm and the height : base diameter ratio is from 1 : 1 to 10 : 1 comprises having a stream of gas containing aluminium chloride into contact with a surface, kept at constant temperature not exceeding 70°C, while aluminium chloride granules are being formed, heating the said surface at a temperature above the sublimation temperature of aluminium chloride so as to detach the aluminium chloride granules from the surface.

(Compl. specn. 13 pages)

Drgs. Nil)

Ind. Class : 129-J [GROUP-XXXV]

170340

Int. Cl.<sup>4</sup> : B 21 B 1/26.

**AN IMPROVED PROCESS AND APPARATUS FOR MAKING HOT-ROLLED STEEL STRIP FROM A STRIPLIKE CONTINUOUS CAST MATERIAL.**

Applicant : SMS SCHLOEMANN-SIEMAG AKTIEN-GESELLSCHAFT, OF EDUARD-SCHLOEMANN-STRASSE 4, 4000 DUSSELDORF 1, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventors: WOLFGANG ROHDE  
JURGEN SEIDEL

Application No. 778/Mas/87 filed October 27, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

**4 Claims**

An improved process for making hot-rolled steel strip from a striplike continuous cast material in successive processing steps, comprising bringing said cast material after solidification to the hot rolling temperature and subsequently feeding said cast material to a multi-stand rolling mill for rolling to a finished rolled product or temporarily storing said cast material before introduction into the rolling mill and rolled to a finished rolled product having a width and rolled to a finished rolled product having a width between 1000 and 2000 mm, preferably 1350 mm, characterized in that rolling to said finished rolled strip is done continuously in three or four roll stands, at a reduced rolling speed, the speed being reduced from 10-11 m/s to 4-6 m/s, while operating the first two of said roll stands with maximum rolling moment.

(Compl. specn. 15 pages)

Drgs. 3 sheets)

Ind. Class : 143 D<sub>3</sub>

170341

Int. Cl.<sup>4</sup> : A 01 F 13/00, 15/00 & 15/06.

**MACHINE FOR COMPACTING SAW DUST AND OTHER AGROWASTES.**

Applicant : NATIONAL RESEARCH DEVELOPMENT CORPORATION OF INDIA, (A GOVERNMENT OF INDIA ENTERPRISE), OF 20-22 ZAMROODPUR COMMUNITY CENTRE, KAILASH COLONY EXTENSION, NEW DELHI-110 048.

Inventor : MADHAV RAJ DEODHAR.

Application for Patent No 215/Del/86 filed on 7 March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi 110 005.

## 5 Claims

A machine for compacting agrowastes into briquettes or compacts comprising a power driven shaft (1), a fly wheel (2) fixed on the said shaft (1), a main shaft (9) connected by one or more intermediate shafts (IS) through power transmission gears (6), provided on the said Intermediate Shaft (IS) and connected to a plunger (13) by means of a pin (12) located through the strip (11) of the eccentric (10) pivoted to the upper end of the plunger (13) a die (16) positioned opposite to said plunger (13), the lower end of the plunger (13) being provided with an adjustable tip (14) for compacting agrowaste in the die (16) a second plunger (20) below the die forming the die bottom and an ejector adapted to enter into the die, said second plunger (20) having an adjustable tip (17) at its upper end for ejecting briquettes or agrowaste formed in the die (16), a rack and pinion device for actuating the said second plunger (20), a second eccentric or cam (21) provided on the main shaft (9) for actuating the said rack (27) and pinion device (26).

(Compl. specn. 8 pages

Drgs. 2 sheets)

Ind. Class : 143 D<sub>2</sub>, 25 B & 136 H, F

170342

Int. Cl.<sup>4</sup> : A 91 F 13/00 & 15/00.

A MANUALLY OPERATED COMPACTING MACHINE FOR COMPACTING SAW DUST AND OTHER AGROWASTES.

Applicant : NATIONAL RESEARCH DEVELOPMENT CORPORATION OF INDIA (A GOVERNMENT OF INDIA ENTERPRISE), OF 22-22, ZAMROODPUR COMMUNITY CENTRE, KAILASH COLONY EXTENSION, NEW DELHI-110 048.

Inventor : MADHAV RAJ DEODHAR.

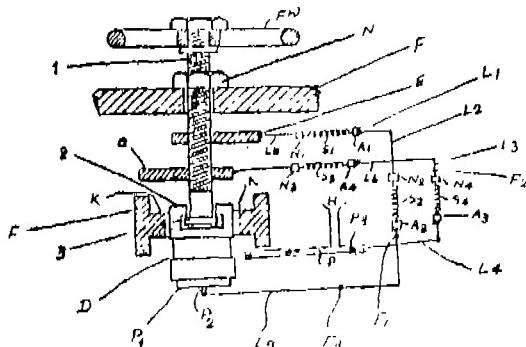
Application for Patent No. 216/Del/86 filed on 07 May  
1986

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

4 Claims

A manually operated compacting machine for compacting saw dust and other agrowastes comprising a die (D) open at its top, a first plunger ( $P_1$ ) adapted to move into said die (D) and withdrawn therefrom, the bottom part of the said die being formed by a second plunger ( $P_2$ ), said first plunger ( $P_1$ ) being formed at the lower end of a threaded shaft (1), having a fly wheel (FW) at its upper-end, and passing through a nut (N) secured to the frame (F) of said machine, an eccentric wheel or cam (E) fixed on the said shaft (1), a first linkage (L<sub>b</sub>) of pivoted lever ( $L_1$ ) actuated by the said eccentric wheel or cam (E)

to push said second plunger (Pz) alternately into the die (D) through the bottom thereof to eject briquette of agrowaste formed in the die (D) by the said first plunger (P<sub>1</sub>), a second cam or eccentric wheel (C) for actuating a second linkage of pivoted levers (26 & 23) for reciprocating a third plunger (P<sub>g</sub>) in a passage (P) below the outlet of a hopper (4) containing agrowastes for feeding agrowastes to the die (D).



(Compl. specn. 8 pages)

Drg. 1 sheet.)

Ind. Class : 143 D, & 25 B

170343

Int. Cl.<sup>4</sup> : A 01 F 13/00 & 15/00.

B30B 11/00

B291 5/00

A MANUALLY OPERATED COMPACTING MACHINE FOR PRODUCING BRIQUETTES OF AGRO-WASTES.

Applicant : NATIONAL RESEARCH DEVELOPMENT CORPORATION OF INDIA (A GOVERNMENT OF INDIA ENTERPRISE), OF 20-22, ZAMROODPUR COMMUNITY CENTRE, KAILASH COLONY EXTENSION, NEW DELHI-110 048.

Investor : MADHAV RAJ DEODHAR.

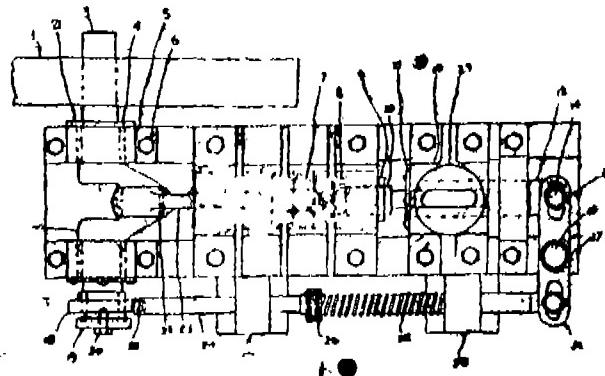
Application for Patent No. 217/Del/86 filed on 07 Mar  
1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

9 Claims

A manually operated compacting machine for agrow-wastes such as saw dust chips of wood and bamboo, leaves, chopped straw, hay, twigs and the like, comprising a manually rotatable crank shaft (1), a flywheel (3) fixed on the crank shaft (1), a pin on the crank shaft engaged at one end of a connecting rod (23), the other end of the connecting rod being secured to a reciprocable plunger or piston (8) position opposite so as to enter into the said die (11) on its forward stroke and compact agro-waste fed into and present in the said die (11) an ejector (13) which forms the side of the die (11) opposite the plunger (8), for pushing out briquette of agrowaste formed in the die (11) during the return stroke of the said plunger (8) and a cam (18) mounted on the said crankshaft (1) for actuating the ejector (13), through

a push rod (24) and a lever (31) pivoted near its centre on the frame of the machine and having slots engaging pins on the push (24) rod and the ejector (13).



(Compl. specn. 10 pages)

Drgs. 2 sheets)

IND. CL. : 48 D<sub>1</sub> D<sub>8</sub> & 143 D.

170344

Int. Cl.<sup>4</sup> : B 65 B 5/00.

## CONTAINER FOR LOOSELY HOUSING ELECTRICAL COMPONENTS.

Applicant & Inventor : YEN WEI HSIUNG, A TAIWANESE CITIZEN, OF BLOCK 103, TAO CHING ROAD, 04-30 SINGAPORE 2261.

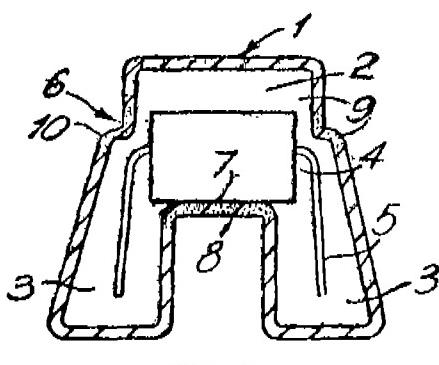
Application for Patent No. 1009/DEL/86 filed on 19 Nov. 1986.

Convention date 28 Nov. 1985/8529355/U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi 110005.

## 8 Claims

A container for loosely housing at least one electrical component (4) of the kind described which comprises a closed elongate tubular member (1) of substantially inverted U-shape in cross-section, said member (1) having a hollow central portion (2) for receiving the body (4) of the said component, and two hollow flanking portions (3) one on each side of said central portion (2) for receiving the legs (5) of the said component, wherein shoulders connecting said hollow central portion and said hollow flanking portions on each side of said hollow central portions and the basewall connecting said hollow flanking portions are conductive portions spaced by non-conducting portions, said basewall and shoulders being electrically interconnected, said non-conducting portions being substantially transparent, said shoulders being such that said non-conducting portions are out of contact with said component.



(Compl. Specn. 11 pages)

Drgs. 3 sheets)

IND. CL. : 143 D<sub>8</sub>, 25 B & 136 H, E.

170345

Int. Cl.<sup>4</sup> : A 01 F 13/00 & 15/00.

## MACHINE FOR COMPACTING SAW DUST AND OTHER AGROWASTES.

Applicant : NATIONAL RESEARCH & DEVELOPMENT CORPN. OF INDIA (A GOVERNMENT OF INDIA ENTERPRISE) OF 20-22, ZAMROODPUR, COMMUNITY CENTRE, KAILASH COLONY EXTENSION, NEW DELHI-110 048, INDIA.

Inventor : MADHAV RAJ DEODHAR.

Application for Patent No. 218/DEL/86 filed on 07 Mar. 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi 110005.

## 6 Claims

A compacting machine for saw dust and other agrowastes comprising a vertical shaft supported by bearing in a casing, two cam wheels are fitted on the shaft near its upper and lower ends with their cam surfaces offset at 180° from each other, the upper cam wheel adapted to actuate a pair of spring loaded plungers to alternately move downwardly into a pair of dies provided in the casing for compacting agrowastes fed into the dies from hopper's the lower cam wheel having a first cam surface in contact to actuate a second pair of spring loaded plungers which forms the die bottom also alternately move upwardly into the said dies for ejecting the compacted agrowaste briquettes in the dies, the lower cam wheel also having a second cam surface formed around its periphery and in surface contact to actuate a third pair of spring loaded plungers or push rods to alternately move outwardly for operating a pair of levers connected to the third pair of plungers for feeding agrowastes to the said dies.

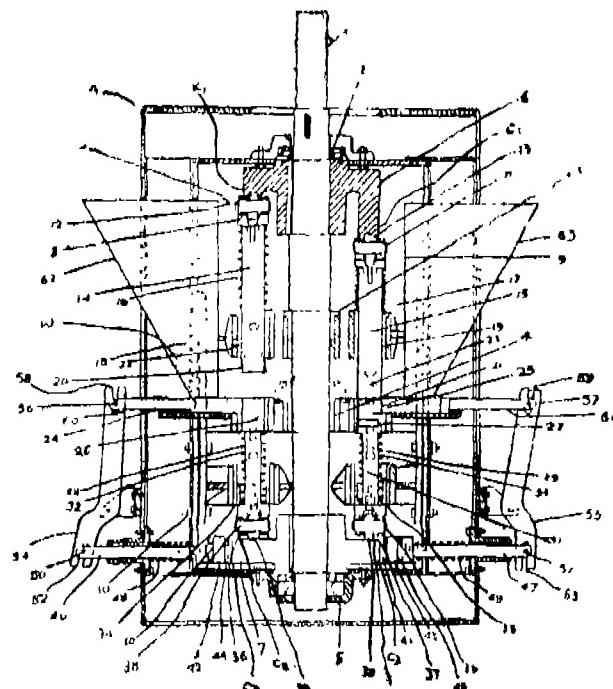


Fig. 1

Drgs. 2 sheets)

(Compl. Specn. 10 pages)

IND. CL. : 201 C.

170346

Int. Cl. : C 02 F 1/74.

## AN IMPROVED WATER TREATMENT PLANT.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, (ACT XXI OF 1860).

Inventors : ANAND SURESHCHANDRA BAL, HARI-DAS JAGANNATH PATIL AND ARUN VITHALRAO BHOI.

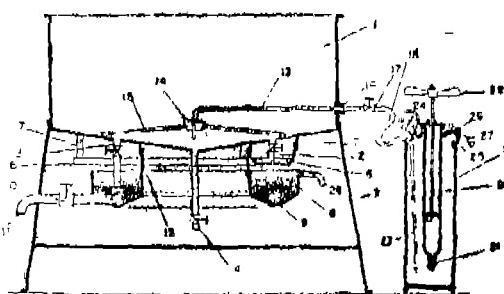
Application for Patent No. 567/DEL/87 filed on 03 Jul 1987.

Complete Specification left on 03 Oct 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi 110005.

## 2 Claims

An improved water treatment plant which comprises a hopper shaped tank (1) for holding untreated water, the tank (1) being supported on stand (5), the said tank (1) having a manifold tube (13) entering from one side of the tank (1) through gland packing (16), the inner end of manifold tube (13) being provided with a distributor junction (14) having multiple distribution arms (15) with perforations on its lower surface for impinging air saturated water on the hopper shaped bottom of tank (1), the outer end of manifold tube (13) being connected through cut off valve (17) and flexible tube (18) to outlet tube (23) extending to the bottom of air water saturator vessel (19), the air water saturator vessel (19) being provided with a pneumatic hand pump (20) having a handle (22) and a non-return valve (21) for discharging compressed air into the air water mixture, the air water saturator vessel also being provided with a pressure gauge (24) and inlet (25) for water, the inlet (25) having means (26 & 27) for making it leak proof, the tank (1) having an outlet (2) on the hopper shaped bottom wall for discharging treated water onto a perforated tray (6) fixed to the bottom of tank (1), the perforated tray (6) being placed over filter channel (8) fixed to the bottom of tank (1), the filter channel (8) having a packed bed of gravel and sand and being provided with a perforated collector pipe (9) which has an outlet valve (10) and spout (11), the perforated collector pipe (9) also being connected through a valve and pipe (3) to the tank (1) for back wash, the tank (1) also being provided with a drain valve and pipe (4).



(Provisional Specn. 10 pages  
(Compl. Specn. 12 pages).

Drg. 1 sheet)

IND. CL. : 32 B.

170347

Int. Cl. : C 07 C. 5/32 &amp; 5/33.

A PROCESS FOR DEHYDROGENATING HYDROCARBONS.

Applicant : UOP INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL OFFICES LOCATED AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS, U.S.A.

Inventors : TAMOTSU IMAI & CHI-WEN HUNG.

Application for the Patent No. 654/DEL/87 filed on 29th July, 1987.

Divisional to Application No. 891/DEL/84 filed on 23rd November 1984.

Ante dated to 23rd November 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

## 7 Claims

A process for dehydrogenating hydrocarbons such as herein described which comprises contacting the hydrocarbons at conventional hydrocarbon dehydrogenation conditions with a catalyst comprising a platinum group component such as herein described, a tin component such as herein described, an indium component such as herein described, an alkali or alkaline earth component such as herein described and a porous support material such as herein described wherein the atomic ratio of radium to platinum group component is more than 1.0.

USES : The dehydrogenated product is used for the manufacture of detergents, high octane gasolines pharmaceutical products, synthetic rubbers etc.

(Compl. Specn. 29 pages

Drgs. 2 sheets)

170348

IND. CL. : 160 AL II (3)

Int. Cl. : B 62 K 11/00.

A SEAT TYPE MOTOR VEHICLE WITH A CONTAINER FOR CARRYING LARGE SIZED LOAD.

Applicant : HONDA GIKEN KOGYO KABUSHIKI KAISHA, A CORPORATION OF JAPAN, HAVING A PLACE OF BUSINESS AT 1-1 MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN.

Inventors : TOSHIO NAMIKI, MASASHI YOKOYAMA.

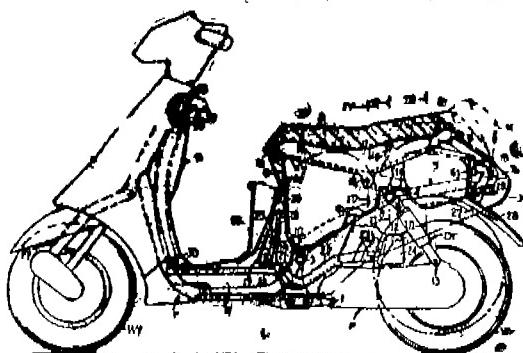
Application for Patent No. 742/DEL/87 filed on 24 Aug 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

## 7 Claims

A seat-type motor vehicle with a container for carrying large sized load wherein a power unit (P) having a rear wheel (Wr) supported for rotation thereon is supported (1) for pivotal up and down rocking motion at a rear portion of a car body frame (F) and a free end portion of said power unit (P) and said car body frame (F) are connected to each other by way of a rear cushion (Dr), characterized in that a container (6) is located on said car body frame (F) and extends in the forward and backward directions over said rear cushion (Dr), that a recessed portion (8) is formed at an intermediate position of a bottom wall (6) of said container (6) in the forward and backward directions and extends inwardly into said container (6), that a connecting

portion (12) between said car body frame (F) and said rear cushion (Dr) is received in said recessed portion (8), and that a driver seat (S) is located on said container (6).



(Compl. Specn. 14 pages)

Drgs. 3 sheets)

IND. CL. : 160 A.

170349

Int. Cl.<sup>4</sup> : B 62 C 5/02.

**FLEXIBLE ELEMENT FOR CART WHEEL AXLE AND A CART WHEELS INCORPORATING THE SAID FLEXIBLE ELEMENT.**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, (ACT XXI OF 1860).

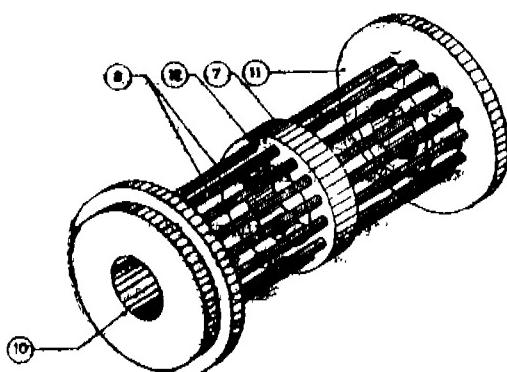
Inventors : MITTAR PAUL DHIR, PADATHIPARAMBIL CHERIAN VERGHESE, MRINAL KANTI DAS GUPTA & JAGDISH RAJ ANAND.

Application for Patent No. 722/DEL/87 filed on 19 Aug. 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi 110005.

3 Claims

A flexible element for cart wheel which comprises two end plates with one or more intermediate plate(s) (7), the end plates and the intermediate plate(s) (7) provided with holes, the said plates being connected with each other by plurality of bars/rods through the said holes, the end plates also having appropriate bush (10) for fixing of cart axle (9), the intermediate plate (5) being fixed inside a pipe (6) which serves as a housing for the flexible element and also adapted to be inserted through the hub of the cart wheel.



(Compl. Specn. 7 pages)

Drgs. 5 sheets)

IND. CL. : 48 C &amp; D1

170350

Int. Cl.<sup>4</sup> : B 29 D 9/00.

**METHOD FOR THE MANUFACTURE OF IMPREGNATABLE DESINTEGRATED-MICA TAPES WITH ACCELERATOR INCORPORATED.**

Applicant : SCHWEIZERISCHE ISOLA-WERKE, OF CH-4226 BREITENBACH SWITZERLAND, A SWISS COMPANY.

Inventors : BENNO SCHMIDLIN & KURT BRANDENBERGER.

Application for Patent No. 529/DEL/88 filed on 17 Jun 1988.

Divisional to Appln. No. 236/DEL/86 filed on 13 Mar. 1986.

Ante-dated to 13 Mar. 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi 110005.

7 Claims

Method for the manufacture of impregnatable desintegrated-mica tapes with accelerator incorporated,

- (A) a desintegrated-mica film is impregnated with a liquid accelerator of the kind such as hemic desribed or a solution of a liquid or solid accelerator in a low-boiling solvent of the kind such as hemic described,
- (B) said impregnated desintegrated-mica film is coated with a hardener-free powder resin of the kind such as herein described and
- (C) a glass fabric is impregnated with a liquid acceleratør of the kind such as herein described or a solution of a liquid or solid accelerator in a low-boiling solvent and the carrier material so obtained is bonded under a pressure of 2 to 5 bar at a temperature of 120 to 200°C, preferably 150 to 180°C, to the side of the said desintegrated-mica film coated with said powder resin, an adhesive being added to said accelerator, which does not react with the accelerator, but is chemically incorporated in the insulation when the impregnatable desintegrated-mica tape is impregnated with an epoxy resin.

(Compl. Specn. 11 pages)

Drg. 1 sheet)

**CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970**

(a) The claim made by Viswanatha Sankaran to proceed the application No. 120/Mas/90 (170315) in his name under section 20(1) of the Patents Act, 1970 has been allowed.

(b) The claim made by Glaxo Group Ltd., England to proceed the application No. 247/Mas/90 (170319) in their name under section 20(1) of the Patents Act, 1970 has been allowed.

## PATENTS SEALED (U/S. 43)

DATE OF SEALING: 14TH FEBRUARY, 1992.

Patent No.	Date of Patents	Name of Patentee	Title	Category
1	2	3	4	5
168259	19-1-87	RCA Licensing Corporation	Colour Display System.	
168274	12-1-87	John Frederick	A device, for removably Securing a lace or the like.	
168275	28-1-87	Gas Research Institute	A heater for heating fluids.	
168444	07-8-87	Mitutoyo Mfg. Co. Ltd.	Optical type displacement detecting device.	
168461	15-7-86	Atlas Air Australia Pty. Limited	A rigid floor tile for a raised flooring system and method of manufacturing the same.	
168464	01-9-86	Alfa Institut fur hauswirtschaftliche Produkt-und Verfahrens-Entwicklung GmbH	A Modified microwave cooking apparatus.	
168465	09-9-86	Santrade Limited.	Method of making a powder particle for preparation of a fine-grained hard material alloy.	
168466	16-9-86	Elevator GmbH.	A computer controlled lift installation having a system for entering installation specific information.	
168469	03-12-86	International business machines Corporation.	A multi-processing data processing system.	
168470	07-5-85	Michi Sudo.	Apparatus for manufacturing a cylindrical multilayer film of synthetic resin.	
168492	27-10-87	Phillips Petroleum Co.	A U-bend tube supporting device for use with a tube bundle in heat exchanger.	
168496	04-9-87	Goldstar Co. Ltd.	A switching-type stabilizing power supply circuit.	
168500	20-11-87	Opti Patent-Forschungs—Und Fabrikations—Ag.	A method and device for manufacturing a slide fastener tape and a waver-on helical row of slide fastener links.	
168532	12-1-87	Rohm and Hass Co.	Microplastic structures, process for forming such structures, and photomask suitable for use in such process.	

1	2	3	4	5
168533	04-6-87	N.V. Bekaert S.A.	A method of producing steel reinforcing elements in the form of steel wire.	
168535	11-6-87	The Goodyear tire and Rubber Company	A process for preparing a vulcanizing agent for natural and synthetic rubbers.	
168538	08-7-85	Urban Transportation Development Corporation Ltd.	Stabilizer Kit for use in a truck for rail vehicle.	
168543	25-11-87	1. D.C. Singhal And 2. The Tata Iron & Steel Co. Ltd.	Fuel and reducing gas generator.	

Cal-8; Del-4; Mas-6; Bom-Nil.

\*The Patents shall be deemed to be endorsed with the words "LICENCE OF RIGHT" under Section 87 of the Patents Act, 1970 from the date of expiration of three years from this day of sealing (i.e. from Sealed date).

#### AMENDMENT PROCEEDING UNDER SECTION 57

Proposed amendments under section 57 of the Patents Act, 1970 in respect of Patent Application No. 160790 (373/MAS/84) as advertised in the Gazette of India dated 10-8-1991 have been allowed.

RENEWAL FEES PAID							
148056	148962	149256	149492	149516	149935	150036	
150188	150191	150833	151080	151125	151131	151159	
151894	152102	152113	152670	152856	152908	152952	
152996	153008	153043	153178	153330	153331	153332	
153337	153466	153570	153616	153848	153897	154059	
154343	154410	154655	154656	154657	154728	154729	
154730	154750	154759	154760	154764	154819	154845	
154850	154925	155028	155137	155159	155177	155189	
155329	155388	155623	155927	156083	156163	156203	
156218	156478	156854	165917	156928	157023	157106	
157108	157114	157166	157170	157250	157254	157268	
157434	157446	157448	157456	157484	157798	158142	
158211	158280	158378	158462	158536	158868	158883	
158981	158983	159028	159115	159263	159274	159392	
159964	160074	160075	160076	160197	160355	160569	
160714	160846	160978	160979	161049	161162	161178	
161418	161459	161478	161482	161503	161505	161619	
161708	161784	161806	161807	161917	161919	162093	
162123	162291	162504	162646	162652	162665	162719	
162733	162791	162867	163288	163329	163432	163570	
163803	163861	163918	163995	164008	164036	164319	
164418	164490	164566	164574	164578	164601	164655	
164636	164657	164740	164804	164816	164842	164883	
164905	164992	164994	165122	165126	165131	165152	
165159	165299	165343	165525	165533	165679	165836	
165864	165867	165884	165991	166039	166243	166458	
166473	166722	166723	166733	166735	166736	166739	
166753	166754	166755	166757	166773	166774	166776	
166777	166778	166779	166822	166823	166824	166825	
168829	166851	166854	166855	166856	166860	166862	
166912	166913	166914	166917	166919	166920	166966	
166967	166968	167008	167014	167015	167022	167024	
167026	167028	167030	167031	167033	167202	167205	
167307	167308	167309	167497	167582	167614	168383	
168385							

#### (CESSATION OF PATENTS)

151040 151379 151391 151518 160058 160066 165329  
165364 165537 165713.

#### CESSATION OF PATENTS

155091 155092 155096 155098 155101 155102 155105  
155109 155110 155112 155116 155120 155122 155127  
155135 155138 155139 155141 155145 155152 155153  
155161 155163 155172 155173 155174 155180 155183  
155185 155186 155187 155190 155192 155193 155194  
155196 155197 155199 155202 155203 155206 155213  
155214 155218 155219 155220 155221 155222 155223  
155224 155225 155226 155227 155229 155232 155233  
155236 155237 155238 155239 155240 155241 155243  
155245.

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 153194 dated the 14th August 1979 made by Dunlop India Limited on the 3rd June 1991 and notified in the Gazette of India Part III, Section 2 dated the 9th November, 1991 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 156277 dated the 15th September, 1982 made by Dunlop India Ltd., on the 3rd June 1991 and notified in the Gazette of India Part III, Section 2 dated the 9th November, 1991 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 156600 dated the 9th June 1982 made by Micronair (Aerial) Limited on the 25th April 1991 and notified in the Gazette of India Part III, Section 2 dated the 09-11-1991 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 158453 dated the 22nd April 1983 made by Energy Conversion Devices Inc on the 11th April 1991 and notified in the Gazette of India Part III, Section 2 dated the 09-11-1991 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 161402 dated the 15th October, 1984 made by Ron Allan Industries (Australia) Pty Ltd., on the 24th June 1991 and notified in the Gazette of India Part III, Section 2 dated the 09-11-1991 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 162483 dated the 24th August 1984 made by Tulserate Limited on the 24th June 1991 and notified in the Gazette of India Part III, Section 2 dated the 09-11-1991 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 165028 dated the 1st October 1986 made by Andre Accetta on the 4th April 1991 and notified in the Gazette of India Part III, Section 2 dated 09-11-1991 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 165647 dated the 3rd June 1986 made by Dular Dutta on the 1st April, 1991 and notified in the Gazette of India Part III, Section 2 dated the 09-11-1991 has been allowed and the said Patent restored.

#### REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 30 of the Designs Act, 1911.

The date shown in each entries is the date of the registration of the design included in the entry.

Class 1. No. 163323. Muthukulathil Joseph of Post Chemperi 670632, Kanoor District, Kerala, India. Indian. "Palm Climber". June 20, 1991.

Class 1. No. 163709. Hawkins Cookers Ltd. of Maker Tower, F-101, Cuffe Parade, Bombay-400005, Maharashtra, India, Indian Company. "Display stand for spare parts". October 28, 1991.

Class 1. No. 163897. Pramod Jain, Indian of A-125, Lok Vihar, New Delhi, India. "Exhaust Fan". December, 1991.

Class 1. No. 162899. Bajaj Auto Ltd., Akhurdi, Pune-411035, Maharashtra, India, Indian Company. "Motorcycle". February 11, 1991.

Class 1. No. 162901. Bajaj Auto Ltd. Akhurdi, Pune-411035, Maharashtra, India, Indian Company. "Scooter". February 11, 1991.

Class 3. No. 162898. Bajaj Auto Ltd., Akrudi, Pune-411035, Maharashtra, India, Indian Company. "Scooter". February 11, 1991.

Class 3. No. 162900. Bajaj Auto Ltd., Akurdi, Pune-411035, Maharashtra, India, Indian Company. "Motorcycle". February 11, 1991.

Class 3. No. 163320. Ashok Chawla and Pradeep Chawla trading as Progressive Trading Co. of 3214/B-5, IIInd flr., Ram Bazar, Mori Gate, Delhi-6, India. "Four Way spacer for telecom cable duct system" June 19, 1991.

Class 3. No. 163321. Ashok Chawla and Pradeep Chawla trading as Progressive Trading Co. of 3214/B-5,

IIInd floor, Ram Bazar, Mori Gate, Delhi-6, India. "Base spacer for telecom cable duct system". June 19, 1991.

Class 3. No. 163322. Ashok Chawla and Pradeep Chawla trading as Progressive Trading Co. of 3214/B-5, IIInd floor, Ram Bazar, Mori Gage, Delhi-6, India "Two way spacer for telecom cable duct system". June 19, 1991.

Class 3. No. 163491. Sinhal Metal Industries (P) Ltd. of C-56/1-Wazirpur Industrial Area, Delhi-110052, India, Indian Company. "Tooth Brush". August 5, 1991.

Class 3. No. 163504. Pidilite Industries Ltd., Indian Company of Regent Chambers, 7th floor, Jamanlal Bajaj Marg, Nariman Point, Bombay-400021, Maharashtra, India. "Jar with handle". August 6, 1991.

Class 3. No. 163505 Pidilite Industries Ltd., Indian Company of Regent Chambers, 7th floor, Jamanlal Bajaj Marg, Nariman Point, Bombay-400021, Maharashtra, India. "Jar". August 6, 1991.

Class 3. No. 163506. Newtech International, A-65, Naraina Industrial Area, Phase-I, New Delhi-110028, India; Indian Partnership Firm. "Auto toilet seal lifter". August 7, 1991.

Class 3. No. 163583. Motorola, Inc., corporate office at 1303, East Algonquin Road, Schaumburg, Illinois 60196, U.S.A. "Housing for a portable telephone". September 9, 1991.

Class 3. No. 163714. Hindustan Laboratories, B-932, Shastri Nagar, Delhi-110052, India, Indian Proprietary firm. "Container". October 29, 1991.

Class 3. Nos. 163792 & 163793. MRF Limited, Indian Company, 826, Anna Road, Tarapore, Towers, Madras-2, T.N. India. "Precured Rubber Tread". November 18, 1991.

Class 3. Nos. 163918 & 163919. Devi Polymers Pvt. Ltd. of 48, Anna Salai, Madras-600002, T.N. India, Indian Company. "Water Tank of variable dimension". December 18, 1991.

Copyright extended for the 2nd period of five years.

No. 162800 — Class 1.

Nos. 161736, 163228 — Class 3.

Copyright extended for the 3rd period of five years.

No. 162800 — Class 1.

Nos. 161736, 163228 — Class 3.

R. A. ACHARYA,  
Controller-General of  
Patents & Designs.

प्रधानमंत्री, भारत सरकार मुद्रणालय, फैसलाबाद दिव्यांग मंडिम  
इन्हें प्रकाशन निवारक, दिल्ली इधारा प्रकाशित, 1992